CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close			See Eng. News-Record
Dec.	5	Syracuse, N. Y.	Nov. 24
Dec.	5	Buffalo, N. Y.	Nov. 24
Dec.	5	St. Paul, Minn.	Dec. 1
Dec.	9	Cleveland, O.	Dec. 1
Dec.	13	Lincoln, Neb.	Dec. 1
Dec.	14	Reading, Pa.	Dec. 1
Dec.	15	Yakima, Wash. Adv. Dec. 1.	Dec. 1
Dec.	16	Cleveland, O. Adv. Dec. 1.	Nov. 24

SEWERS

Dec.	5	Columbia, Mo.	Nov. 24
Dec.	6	Urbana, Ill.	Dec. 1
Dec.	6	Rutherford, N. J.	Nov. 24
Dec.	6	St. Joseph, Mo.	Dec. 1
Dec.	9	Akron, O.	Dec. 1
Dec.	13	Harrison, N. J.	Nov. 17
Dec.	13	Richmond, Va. Adv. Dec. 1.	Dec. 1
Dec.	20	Passaic, N. J.	Nov. 24

BRIDGES

Dec.	5	California	Dec. 1
Dec.	6	Del Rio, Tex.	Nov. 24
Dec.	8	Morgantown, W. Va.	Nov. 17
Dec.	9	North Carolina	Nov. 24
Dec.	10	Madison, W. Va.	Nov. 17
Dec.	10	Bradentown, Fla.	Dec. 1
Dec.	10	Pikeville, Ky. Adv. Nov. 24 and Dec. 1.	Dec. 1
Dec.	13	Phila., Pa. Adv. Nov. 13, 17 and Dec. 1.	Nov. 17
Dec.	19	Phila., Pa.	Nov. 17
Dec.	22	Madison, Wis.	Dec. 1

DAMS

Dec.	17	Phoenix, Ariz.	Nov. 17

RAILWAYS

Dec.	20	Ontario	Dec. 1

EXCAVATION AND DREDGING

Dec.	5	Yankton S. D.	Nov. 17
Dec.	6	Duluth, Minn.	Nov. 24
Jan.	7	Riverton, Wyo.	Nov. 10
Jan.	7	Duluth, Minn.	Oct. 13

STREETS AND ROADS

Dec.	5	California	Nov. 24
Dec.	5	Santa Barbara, Cal.	Nov. 24
Dec.	5	Greenville, Tex.	Nov. 24
Dec.	6	Springfield, Ill.	Dec. 1
Dec.	6	Effingham, Ill.	Dec. 1
Dec.	6	Tampa, Fla.	Dec. 1
Dec.	6	Orangeburg, S. C.	Dec. 1
Dec.	6	New York, N. Y.	Dec. 1
Dec.	6	Gastonia, N. C.	Nov. 17
Dec.	6	Del Rio, Tex.	Nov. 24
Dec.	6	Calexico, Cal.	Nov. 24
Dec.	7	Ventura, Cal.	Nov. 24
Dec.	7	Salina, Kan.	Nov. 3
Dec.	8	Forest City, Ia.	Dec. 1
Dec.	8	Lapeer, Mich.	Dec. 1
Dec.	9	Minnesota	Nov. 24
Dec.	9	North Carolina	Dec. 1
Dec.	10	Florida	Dec. 1
Dec.	10	Bradentown, Fla.	Dec. 1
Dec.	12	Washington	Dec. 1
Dec.	12	California	Dec. 1
Dec.	13	Morton, Wash.	Dec. 1
Dec.	13	Florence, S. C. Adv. Dec. 1.	Dec. 1
Dec.	13	Atchinson, Kan.	Nov. 17
Dec.	13	Dunedin, Fla.	Nov. 24
Dec.	14	Rhode Island Adv. Dec. 1.	Dec. 1
Dec.	15	Huntington, W. Va.	Dec. 1
Dec.	16	West Virginia, Adv. Nov. 24 and Dec. 1.	Nov. 24
Dec.	19	Greenfield, Ind.	Dec. 1
Dec.	19	El Centro, Cal.	Dec. 1
Dec.	19	Elmhurst, Ill.	Nov. 17
Dec.	20	Kansas City, Kan.	Nov. 17
Dec.	21	Little Falls, Minn.	Nov. 24
Dec.	23	Iola, Kan.	Nov. 24

Bids Close			See Eng. News-Record
Dec.	2	Portland, Me.	Dec. 1
Dec.	6	Chicago, Ill.	Dec. 1
Dec.	10	Conshohocken, Pa.	Dec. 1
Dec.	10	Phila., Pa.	Dec. 1
Dec.	15	Lansing, Mich. Adv. Dec. 1.	Dec. 1

INDUSTRIAL WORKS

Dec.	2	Portland, Me.	Dec. 1
Dec.	6	Chicago, Ill.	Dec. 1
Dec.	10	Conshohocken, Pa.	Dec. 1
Dec.	10	Phila., Pa.	Dec. 1
Dec.	15	Lansing, Mich. Adv. Dec. 1.	Dec. 1

BUILDINGS

Dec.	3	Baltimore, Md.	Dec. 1
Dec.	5	Kerrville, Tex.	Nov. 24
Dec.	5	Palmyra, N. J.	Nov. 10
Dec.	5	Kalamazoo, Mich.	Nov. 24
Dec.	6	Thiells, N. Y.	Nov. 17
Dec.	6	Glassboro, N. J.	Nov. 24
Dec.	6	Detroit, Mich.	Nov. 24
Dec.	6	Chicago, Ill.	Nov. 24
Dec.	7	New York, N. Y.	Dec. 1
Dec.	7	Brooklyn, N. Y.	Dec. 1
Dec.	7	Saginaw, Mich.	Nov. 17
Dec.	9	Minneapolis, Minn.	Nov. 24
Dec.	10	St. Paul, Minn.	Dec. 1
Dec.	10	Gainesville, Fla.	Nov. 10
Dec.	12	North Robinson, O.	Dec. 1
Dec.	12	Tallahassee, Fla.	Nov. 17
Dec.	12	Kalamazoo, Mich.	Nov. 24
Dec.	12	Aspinwall (Pittsburgh P. O.), Pa.	Dec. 1
Dec.	14	Huron, S. D.	Nov. 17
Dec.	15	Plymouth, Pa.	Dec. 1
Dec.	15	Dayton, O.	Nov. 17
Dec.	15	Lawrence, Mass.	Nov. 17
Dec.	15	Delavan, Ill.	Dec. 1
Dec.	15	Independence, Kan.	Nov. 24
Dec.	15	Castalia, O.	Nov. 24
Dec.	20	Missoula, Mont.	Oct. 20
Dec.	20	Bozeman, Mont.	Oct. 20
Dec.	20	Butte, Mont.	Oct. 20
Dec.	23	Eldorado, Kan.	Nov. 24
Jan.	1	Detroit, Mich.	Nov. 17
Jan.	15	Laramie, Wyo.	Sept. 29
Feb.	1	Williamsport, Pa.	Sept. 8
Feb.	1	Duluth, Minn.	Oct. 27

FEDERAL GOVERNMENT WORK

Dec.	5	Loading Shed, etc—Brunswick, N. J.	Nov. 24
Dec.	6	Changes to Services, etc—Oteen, N. C.	Nov. 24
Dec.	7	Storehouse—Pearl Harbor, H. T.	Oct. 6
Dec.	7	Dredging—Norfolk, Va. Adv. Nov. 24 and Dec. 1.	Nov. 24
Dec.	13	Alterations — Columbia, S. C.	Nov. 24
Dec.	14	Quarters—Savannah, Ga.	Dec. 1
Dec.	15	Hospital—Marion, Ind.	Dec. 1
Dec.	19	Hospital—Milwaukee, Wis.	Dec. 1
Dec.	28	Valve—Denver, Col.	Nov. 17
Dec.	29	Structures—Savage, Mont.	Nov. 17

MISCELLANEOUS

Dec.	5	Enclosures—Brooklyn N. Y.	Nov. 24
Dec.	8	Highway and Roofing Materials, etc. — New York, N. Y.	Dec. 1
Dec.	20	Electric Wiring, etc—Brooklyn, N. Y. Adv. Nov. 24 and Dec. 1.	Nov. 24
Dec.	21	Sanitary Work—Binghamton, N. Y. Adv. Dec. 1.	Dec. 1
Dec.	23	Oil Tanks and Boilers—New Orleans, La. Adv. Nov. 3 to Dec. 1.	Nov. 3

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Saltaire (Summer P. O.)—Retained G. L. Watson, consult. engr., 16 East 41st St., New York, to prepare plans for distribution system, pumping station, tower and tank.

Pa., Sharon—Plans large reservoir. L. Burnside, city engr.

W. Va., Grafton—City retained B. Kress, city engr. of Elkins, to report on, design and supervise construction 3,000,000 gal. filtration plant, pumping plant, 2,000,000 gal. reservoir and 3 mi. c.i. mains. $200,000.

Fla., Williston—Dec. 28, to vote on $35,000 bonds for water and electric light plant. C. S. Scarsborough, clk.

Ind., Marion—Take bids about first of year, altering pumping station, incl. new 5,000,000 gal. steam pump. $75,000. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs.

Ill., Lyons—Making plans reservoir, pumping station and 4-6 in. c.i. mains. $40,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Silvis—Plans 4-6 in. c.i. mains and 8-10 in. glazed tile sewers. $26,000. H. Sleeth, mayor. Engineer not selected.

Wis., Clintonville—Making plans improving and extending mains and system, also new reservoir. $26,000. L. P. Pelishek, Clintonville, engr.

Wis., Williams Bay—Making preliminary plans new water supply system, incl. elevated steel tank, pumping station, equipment and mains. W. S. Shields, 8 South Dearborn St., Chicago, engr.

Kan., McCracken—Making plans new mains and extension of reservoir and pumping station. $55,000. Ruckel Eng. Co., Hutchinson, engrs.

Minn., Norwood—To vote on $70,000 bonds for waterworks and sewerage systems. Engineer not selected.

N. D., Casselton—Plans waterworks and sewerage system. $65,000. C. D. Smith, aud. Engineer not selected.

S. D., Frederick — Making plans reservoir, pumping station and mains. $40,000. J. A. Rowatt, Tallman Bldg., Willmar, Minn., engr.

Wyo., Greybull—Soon receives bids 200,000 gal. elevated steel tank, 28,030 ft. 2-8 in. mains, etc. $70,000. Former contract rescinded. G. W. Zorn, Greybull, engr. Noted Oct. 20.

Wyo., Lander—Dec. 12, to vote on $145,000 bonds to extend water conduit, incl. 9,160 ft. 12 in. c.i. pipe.

Mo., Burlington Junction—Election about Nov. 30, to vote on $39,000 bonds, mains and sewers. E. I. Archer Co., New England Bldg., Kansas City, engrs.

Mo., Oak Grove—Voted $40,000 bonds waterworks. B. E. Woolsey, mayor. Engineer not selected.

Tex., Jacksonville—Plans $150,000 bond issue, extensions to waterworks. Address Mayor.

Tex., Robstown—Water Impvt. Dist. 3, voted $300,000 bonds for following work, waterworks system $85,685, irrigation system proper, incl. canals, ditches and structures, $74,743; pumping plant and relift station, $103,672. Area embraces 4,900 acres, to obtain water from the Nueces River. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Okla., Fairland—Defeated $60,000 bonds for waterworks. H. G. Olmstead & Co., Tradesman Bank Bldg., Pawhuska, engrs. Noted Sept. 29.

Okla., Oklahoma City—Defeated bonds for improving waterworks. B. M. Hart, city engr. Noted Oct. 27.

Ore., McMinnville—Plans reservoir 6,000 acre ft., appropriate 35 second ft. water through tunnel, and 5 mi. pipe line, head of 1,460 ft. for development of 58,070 h.p. $350,000.

Ore., Myrtle Point—Plans 5½ mi. pipe line and storage reservoir. $22,500. Baar & Cunningham, Spalding Bldg., Portland, engrs.

Wash., Walla Walla—Having plans prepared and takes bids about Jan. 1, reservoir, 2 mi. 24 in. steel pipe, diversion dam and 4 mi. gravity pipe line. $500,000. W. R. Rehorn, city engr.

BIDS DESIRED

Pa. Reading—Dec. 14, pumping station equipment. E. L. Nuebling, ch. engr., Bureau of Water; adv. this issue.

O., Cleveland—Dec. 9, four water tube boilers and mechanical stokers for Division of Water. $400,000. A. V. Ruggles, City Hall, engr.

Waterworks (Continued)

Mich., Detroit—Bd. Water Comrs., Jefferson and Randolph Sts., receiving bids two 3½ ton gasoline operated cranes.

Wash., Yakima—Dec. 15, by City Commission, for pipe line system, etc. C. F. Wilson, city engr.; adv. this issue.

Minn., St. Paul—Dec. 5, by H. W. Austin, city purch. agt., 7,500 bbl. cement, 2,500 cu.yd. silicia sand and 5,000 cu.yd. gravel for Waterworks Dept. O. Claussen, city engr.

Neb., Lincoln—Dec. 13, by T. H. Berg, city clk., one 1,000 hp. economizer, chain grate stokers and superheater for two 500 hp. boilers, 1 open fed water heater, 1 hot process water softener, 1 centrifugal motor driven boiler feed pump and 2 soot blowers for water and electric light plant. $42,000. G. W. Bates, city engr.

CONTRACTS AWARDED

New York—Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chambers Sts., New York, siphon pipes of Catskill Aqueduct, in towns of Olive and New Windsor, Contr. 209, to Rice & Ganey, Inc., 2786 Bainbridge Ave., New York, $999,000; in towns of Phillipstown, Cortlandt, Yorktown and Mt. Pleasant, Contr. 210, to F. Snare, 8 West 40th St., New York, $2,978,000; in towns of Mt. Pleasant, Greenburg and Yonkers, Contr. 211, to T. Crimmins Contg. Co., 126 East 59th St., New York, $2,275,000. Noted Nov. 17.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains and appurtenances in Surf Ave., Kings Highway, 75th and 78th Sts., here, to J. A. Gregory, 351 East 124th St., New York. $71,502. Noted Nov. 24.

Pa., Phila.—For laying water pipe, to G. F. Dobbins, 4615 Springfield Ave., $33,238; foundations and construction at Shawmut pumping station, to Connor & Leigh, 1317 Arch St., $51,795; laying pipe from Lardners Point pumping station, to Curtiss Bros., Tacony Bank Bldg., $20,990; laying water pipe in various streets, to W. and J. B. McHugh, 32nd and Oxford Sts., $47,000; furnishing pipe, to R. D. Wood & Co., 400 Chestnut St., $57,854; furnishing and installing electrical equipment for Belmont and Roxboro pumping stations, to Seneca Co., 63 Park Row, New York, $140,854. Noted Nov. 10.

Ky., Ashland—For 3,000,000 gal. water filtration plant and 500,000 gal. reservoir; construction to Ellington, Miller Co., 417 South Dearborn St., Chicago; pump to De Laval Co., North Clinton St., Trenton, N. J.; filtration plant equipment to International Filter Co., 38 South Dearborn St., Chicago. Noted Oct. 20.

Ill., Galesburg—Will build 4-6 in c.i. mains by day labor. $100,000. Noted June 23.

Ill., Moline—For 6 in. c.i. mains, to Moline Heating & Constr. Co., 320 16th St., $28,000.

Ia., Stanton—Extension to waterworks, to Dunnegan & Briggs, Shenandoah, $27,500.

Sewers

PROPOSED WORK

Fla., Lakeland—Making plans extending sewerage system. $150,000. G. D. Mendenhall, Lakeland, engr.

Ky., Louisville—Voted $2,000,000 bonds for extending sewerage system. J. B. Breed, Louisville, chn. engr. H. P. Eddy, Louisville, advisory engr.

Ky., Paducah—Soon takes bids 10 mi. sewers, probably concrete. $600,000. Alvord & Burdick, 8 South Dearborn St., Chicago, Ill., engrs. Noted Nov. 24.

O., Akron—Plans to sell $200,000 bonds for sewers. J. E. Root, 300 Delaware Bldg., engr.

O., Cleveland—Plans Henniger Rd. sanitary outlet to Big Creek, intercepting sewer from Threadway Ave. to Big Creek, Jennings Rd. relief sewer at Spring Rd., Muriel Ave. sewer outlet; sewers in Lake Shore Blvd., Pearl, Rosecliff and Fairmount Rds., Roseland, Seymour, Taft, Waterson, Grant and Gruss Aves., West 51st, East 127th, East 128th, East 136th, East 144th, East 167th, East 168th and East 169th Sts. R. Hoffman, City Hall, engr.

Ill., Kewanee—Making plans intercepting sewers and disposal plant. $400,000. J. Palmer, city engr.

Ill., Roodhouse—Making plans storm and sanitary sewers and disposal plant. $40,000. Caldwell Eng. Co., Ayers Bank Bldg., Jacksonville, engrs.

Ill., Silvis—See "Waterworks."

Wis., Appleton—Making plans 1.1 mi. 6-12 in. storm sewers in Newberry and Weimar Sts. $25,000. O. A. Weisggerber, City Hall, engr.

Wis., Spooner—Had plans prepared for sewerage system. $100,000. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, Minn., engr.

Wis., West Bend — Making preliminary plans for storm sewers in 5th, 4th, 6th and Forest Aves., Maple, Chestnut and Walnut Sts., 5,310 ft. 12-30 in. vitr. pipe. $25,000. J. P. Heipp, City Hall, engr.

Minn., Lake City—Making plans sewerage system. $100,000. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr.

Minn., Little Falls—Plans trunk sewer. $40,000. C. L. Pillsbury Co., 1206 2nd Ave., S., Minneapolis, engrs.

Minn., Norwood—"See Waterworks."

Neb., Grand Island—Having plans prepared sanitary and storm sewers and disposal plant. $100,000. H. E. Clifford, clk. W. E. Buell & Co., Davis Bldg., Sioux City, Ia., engrs.

Okla., Oklahoma City—Defeated bonds for sewers and disposal plant. B. M. Hart, city engr. Noted Oct. 27.

Ont., Brantford—Making plans sanitary sewers in Grey and Mailland Sts., storm sewers in Eagle and St. Paul Aves., Colbourne St., W., Grey, Nelson, Margaretta and Marlboro Sts., $30,694. F. P. Adams, city engr.

Ont., Hamilton—Plans 2,000 ft. concrete sewer in Paradise Rd. from King St. northerly. $150,000. E. R. Gray, city engr.

Ont., Oshawa—Having surveys made for 5,000 ft. sanitary sewer in Westmount Ave., vitr. tile and rein.-con. 12-in. up. $120,000. N. G. McDonald, Oshawa, engr.

BIDS DESIRED

Va., Richmond—Dec. 13, at office of A. J. Saville, dir. Pub. Wks., sewers in various streets; adv. this issue.

O., Akron — Dec. 9, by Director Pub. Serv., Willow Run Sewer 2, incl. 1,925 ft. vitr. brick and 3,000 ft. 6-12 in. tile. $170,000. J. E. Root, 300 Delaware Bldg., engr.

Ill., Urbana—Dec. 6, 8-12 in. glazed tile sewers in Coler and Busey Aves., Dist. 18. $27,000. A. M. Danley, City Hall, engr. Noted Nov. 17.

Wis., De Forest—Making plans seferage system, storm and sanitary sewers, 8-10 in. vitr. and tile. $50,000. W. G. Kirchoff, Vroman Blk., Madison, engr.

Wis., Shawano—Feb. 1, storm and sanitary sewers in 10 blocks 5th and Sawyer Sts. $25,000. L. P. Pelishek, Clintonville, engr.

Mo., St. Joseph—Dec. 6, laying 18 in. sewers in Dists. 96 and 127. $27,500. W. K. Seitz, city engr.

CONTRACTS AWARDED

N. J, Spring Lake—Ejector station and sewers in ½ mi. Shore Rd., Pennsylvania, 4th and Central Aves., to Monmouth Constr. Co., 60 Broad St., Red Bank, $25,929.

N. J., Union Hill (Weehawken P. O.)—For 3,110 lin.ft. 6-18 in. vitr. sewers in Hackensack Plank Rd., 2,000 sq.yd. earth and stone excav., to Hornung Constr. Co., 711 Dubois St., West Hoboken, $21,890. Noted Sept. 22.

N. J., Wallington—Passaic Valley Sewerage Comrs., 128 Market St., Newark, to Foundation Co., 120 Liberty St., New York, southerly portion of Sect. 19, Garfield-Wallington-Passaic Branch Intercepting Sewer, here, 2,065 lin.ft. excav. in compressed air tunnel, for 54 in. circular masonry sewer, $36.30 per lin.ft., 1,500 cu.yd. concrete masonry, etc., $20., total $106,604. Noted Oct. 20.

Pa., Phila.—For intercepting sewer along Tacony Creek, to J. Perma, 65th and Callowhill Sts., $179,977; main sewers in Ognotz Ave., Bingham St. and Venango and I Sts., to J. J. MacMinamin, Commercial Trust Bldg., $75,803, $56,600 and $41,285 respectively; 57th St., to W. H. Carson, 5615 Crowson St., $78,914; Fletcher St., to A. Joffola, 139 South 50th St., $61,340; Bigler and 4th Sts., to J. Lombardi, Lincoln Bldg., $76,800; Bigler St. from Vandalia to 3rd Sts., to Lolove & Lewis, Real Estate Trust Bldg., $69,470. Noted Nov. 10.

Pa., Pittsburgh—For Nine Mile Run Sewer, in East Liberty Dist. to J. F. Casey Co., Union Arcade, $176,078.

Fla., West Palm Beach—Sanitary sewers Dist. 1, section south of Althea to Carlberg Court, to Keystone Constr. Co., c/o P. J. Reardon, West Palm Beach, $36,814.

O., Akron—Director Pub. Serv., trunk sewer in North Main St. and trunk and lateral sewers in West Market St., to H. Shullo, 896 Kling St., $44,972 and $20,612, respectively. Noted Nov. 10.

Ind., Petersburg—For 10.5 mi. vitr. clay sanitary sewers and disposal plant in Dists. 1, 2 North, 3 South and 4 West, to J. L. Walker Co., 231 Court St., Hamilton, O.; work includes 42,990 ft. 8 in. v.c. pipe, $1.80, etc.; total for system $143,202, alternate plan $140,702. Noted Nov. 3.

Idaho, Caldwell—For 16,177 lin.ft. 12-27 in. concrete sewers, to Morrison-Knudsen Co., Railroad and Reclamation Ave., Boise, $50,485.

Kan., Florence—For 30 in. storm sewers, to Burt & Tripp, Herrington, $26,101. Noted Nov. 24.

Tex., Dalhart — For complete disposal plant and sewerage extensions, to Gordon Costr. Co., Barclay Bldg., Denver, $22,765. Noted Nov. 10.

Wash., Seattle—For 14,425 lin.ft. 8-24 in. clay sewers in East 70th St., et. al., to Fiorito Bros., 3650 6th St. N. W., $42,337. Noted Nov. 24.

Wash., Spokane—Trunk and lateral sewers to Standard Asphalt Paving Co., North 517 Lincoln St., $61,600. Noted Nov. 17.

Wash., Tacoma—Will build 6,120 ft. 36-60 in. rein.-con. storm and sanitary sewers by day labor. $183,961. D. W. King, 503 City Hall, engr.

Bridges

PROPOSED WORK

North Carolina—State Hy. Comn., Raleigh, plans steel or rein.-con. bridge over Scuppernong River, State Project 192, Tyrrell Co., $50,000; over Eno River, State Project 453, Orange Co., $75,000; over Pasquotank River, State Project 172, Pasquotank Co., $75,000; over Perquimans River, State Project 179, Perquimans Co., $80,000. C. M. Upham, state highway engr.

Fla., Clearwater—State Rd. Dept., Tallahassee, soon takes bids Safety Harbor Bridge and Seminole Bridge, concrete and creosoted timber, Pinellas Co. $100,000 and $50,000 respectively. C. E. Burteson, Clearwater, co. engr. Noted Nov. 10.

Fla., Tampa—Tampa & Gulf Coast Ry., Union Sta., plans trestle over Old Tampa Bay and over Big Bayou, ¾ mi. long. $70,000.

Fla., Titusville—Brevard Co. and State Rd. Dept., Tallahassee, plan 100 ft. concrete and timber bridge over Elbow Creek, 20 ft. $60,000. C. A. Browne, state highway engr.

Ala., Gadsden—Etowah Co. soon takes bids bridge over Wills Creek, six 40 ft. T beam girder spans and piers, 18 ft. roadway, 255 ft. overall. $30,000. W. S. Keller, Montgomery, state highway engr.

Wis., Tomahawk—Making plans 450 ft. plate girder bridge, 20 ft., on 4th St. $65,000. State Highway Comn., Madison, engrs.

Ia., Boone—Boone Co. plans steel bridge, two 260-ft. spans, 40-ft. approaches, 18 ft. wide. $45,000. J. A. Illeman, Boone, engr.

Ia., Mason City—Plans bridge. $38,000. J. H. McEwen, clk.

Tex., Wharton—See "Streets and Roads."

Ore., Salem—State Marion Co., City and Southern Pacific R.R. plans 800 ft. rein.-con. viaduct over railroad crossing. $100,000. C. M. McCollough, Salem, engr.

Idaho—Bureau of Highways, Boise, opens bids about Dec. 15, for Washington St. Bridge, at Emmett, three 120 ft. Warren truss spans, 20 ft. roadway, concrete floor, bitulithic surface, 5 ft. sidewalk, 2 concrete piers and 2 abutments, for State and Gem Co. $50,000.

Ont., Highland Creek—Dept. Pub. Highways, Parliament Bldgs., Toronto, plans bridge, probably steel trestle, 600 to 1,000 ft. long, 30 ft. roadway, across ravine, here. $150,000. G. Hogarth, Parliament Bldgs., Toronto, engr.

BIDS DESIRED

Conn., Waterbury—Bridge Comn. taking bids 3 span rein.-con. bridge over Naugatuck River, West Main St., 182 ft. long, 64 ft. wide. $150,000. R. A. Cairns, city engr. Noted Mar. 24.

Bridges (Continued)

Fla., Bradentown—Dec. 10, by Comrs. Manatee Co., 40 concrete bridges, 6-50 ft. spans, 79 galvanized iron culverts, 4 wooden trestles, total 10,000 ft., in Manatee Oneco Dist. $100,000. McElroy Eng. Co., Giddens Bldg., Tampa, engrs.

Ky., Pikeville—Dec. 10, at office of W. K. Steele, special bridge comr., suspension foot bridge over Big Sandy River at Coal Run Sta.; adv. this issue.

Wisconsin—Dec. 22, by State Hy. Comn., at Court House, Black River Falls, Melrose Bridge, truss type, 20 ft. roadway, incl. 6 riveted low truss spans each 75 ft. long, one high riveted truss span 200 ft. long, 665 ft. overall; substructure includes 2 rein.-con. abutments, 1 solid concrete pier and 5 concrete pedestal piers. M. W. Torkelson, bridge engr.

California—Dec. 5, by State Hy. Comn., Sacramento, rein.-con. girder bridge over Anderson Creek, to have four 36 ft. spans, 350 cu.yd. concrete; over Canyon Creek, three 28 ft. spans, 238 cu.yd. concrete; over Oregon Gulch, two 40 ft. spans, 280 cu.yd. concrete, Shasta Co. A. B. Fletcher, state highway engr.

BIDS RECEIVED

Mass., Neponset (Boston P. O.)—State Metropolitan Dist. Comn., 18 Tremont St., rejected bids opened Oct. 27, concrete and steel bridge, roller-lift draw, over Neponset River, 794 ft. long, 72 ft. wide. $475,000. Noted Nov. 10.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 511, Caswell Co. from C. B. Hester, Greensboro, $30,785; J. M. Gregory & Co., Danville, Va., $35,273; J. P. Dicus, Burgaw, $35,292. Noted Nov. 3.

Mich., Detroit—Superstructure of double-leaf bascule bridge, 156 ft. span, over River Rouge, West Fort St., from Bethlehem Steel Bridge Co., South Bethlehem, Pa., $272,500; Wisconsin Bridge & Iron Co., North Milwaukee, Wis., $280,306; Stroebel Steel Constr. Co., Monadnock Blk., Chicago, Ill., $288,059. Noted Oct. 27.

Wis., Sheboygan—Steel and concrete bridge on 8th St., from Wisconsin Bridge & Iron Wks., North Milwaukee, $210,000; Worden-Allen Co., Port Washington St., Milwaukee, $212,000; McMullen & Pitz, Manitowoc, $213,500. Noted Nov. 3.

CONTRACTS AWARDED

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., steel viaduct in West 134th St., 12th Ave. to 200 ft. easterly, to P. T. Cox Contg. Co., 154 Nassau St., $60,787. Noted Nov. 17.

Pa., Pittsburgh—Allegheny Co., rein.-con. arch bridge No. 2, over Bull Creek, Fawn Twp., to B. P. Dunn Structural Steel Co., Keystone Bldg., $35,034.

Mich., Detroit—Operators house, enclosure walls, etc., for bridge, 156 ft. span, over River Rouge, West Jefferson Ave., to Cooper-Widenmann Constr. Co., 1430 Penobscot Bldg., $78,700; electrical equipment, to Fowler Electric Co., 325 Huron St., Toledo, O., $34,809. Noted Nov. 17.

Illinois—See "Streets and Roads."

Ia., Indianola—Warren Co., following contracts, 18 culverts and 1 extension, to Alexander & Higbie, 2733 6th St., Des Moines, $9,045; 2 I beams, 1 through truss and 3 box culverts, Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, $30,714.

Okla., Kingfisher—Kingfisher Co. 200 ft. concrete cantilever bridge, Federal Aid Project 25, to Hyde Constr. Co., Enid, $36,521.

Okla., Madill—Marshall Co., Glasses Creek Bridge and Wichita River Bridge, Federal Aid Project 48, to St. Louis Structural Steel Co., Syndicate Trust Bldg., St. Louis, Mo., $9,390 and $31,775 respectively; concrete culverts Sects. A-B, B-C and C-A and 40 ft. low water bridge, Federal Aid Project 48, to Kien & Greible, Shawnee, $16,437 and $4,259 respectively.

Dams

PROPOSED WORK

Idaho, Oreana—T. A. Foreman plans 1½ mi. canal, 18 ft. wide at flow line, 8 ft. bottom, 2½ ft. deep, and earth dam 8 ft. high, 18 ft. top and 15 ft. bottom, to divert 60 sec. ft. water from Castle Creek to irrigate 1,333 acres. $25,000. S. E. Vance, Sr., Boise, engr.

Railways

PROPOSED WORK

Montana—Holly Sugar Co., Boston Bldg., Denver, Col., plans 15 mi. road from Hardin to Foster. $300,000. S. W. Sinsheimer, mgr.

BIDS DESIRED

Ontario—Dec. 20, by S. B. Clement, ch. engr. Temiskaming & Northern Ontario Ry., North Bay, 70 mi. steam railway from Cochrane to Newport, incl. clearing, excav., ballast, bridges, etc. $3,500,000. Noted Nov. 3.

CONTRACTS AWARDED

New York—Transit Comn., 49 Lafayette St., 2 track sub-surface railroad extending under East and West 42nd St., Bryant Park and West 41st St. from about westerly line of Vanderbilt Ave. to about westerly line of 8th Ave., known as Route 67, part of Queensborough Rapid Transit R.R., to Powers-Kennedy Contg. Co., 149 B'way, $3,867,138. Noted Nov. 17.

Excavation and Dredging

PROPOSED WORK

Ill., Carmi—White and Gallatin Counties plan 24 mi. open ditches, and 1 mi. tile ditch, 776,614 cu.yd. excav. $126,011. W. W. Stokes, Carmi, engr.

Ill., Mt. Erie—Little Wabash Drain and Levee Dist. making plans levee and drainage system in Wayne and Edwards Counties. $300,000. G. C. Harvey, Court House, Mt. Carmel, engr.

Mo., Norborne—Norborne Land Drain Dist., c/o J. H. Franken, secy., having plans prepared drainage system. $500,000. Elliot & Harman, 144 Fredonia St., Peoria, Ill., engrs.

Tex., Robstown—See "Waterworks."

Idaho, Boise—Sweet Brier Irrigation Dist., T5S, R6E, plans primary lift, 40 to 45 ft. into canal, to irrigate 1,200 acres, secondary lift, 25 ft., to irrigate 300 acres and 3.5 mi. canal. $50,000. Engineer not selected. Preliminary work done by A. J. Wiley, engr., Idaho Bldg.

Utah, Provo—C. A. Gillette, Clift Bldg., Salt Lake City, (representing owner), has filed application for permission to use 215,000 acre-feet water from Price and Huntington Rivers, for irrigation system in Utah and Juab Counties. Project includes 20 mi. canals, 25 ft. bottom width, and large diversion dam. $4,000,000. Engineer not announced.

CONTRACTS AWARDED

N. Y., New York—M. Hulbert, comr. Docks, Pier "A" foot of Battery Pl., to New Jersey Shipbuilding & Dredging Co., foot of 28th St., Bayonne, N. J., dredging 35,000 cu.yd. at Piers foot of East 11th St., etc., $6,700, 18,400 cu.yd. at bulkhead between East 108th and 109th Sts., etc., $5,865, 15,500 cu.yd. at Piers at foot of Tiffany St., etc., $5,068, 10,200 cu.yd. at Piers foot of Fulton St., etc., $2,958; to F. E. Jones Dredging Co., 17 Battery Pl., 103,000 cu.yd at Piers 53 north side, 54 northside, 56 north and south sides and 64 south side, etc., $17,510. Noted Nov. 24.

Minn., Albert Lea—Freeborn and Mower Counties, Judicial Ditch 4, 691,571 yd. main ditch excav., at $0.15 and 15,000 yd. cattle crossings at $0.25, to Mulgrew & Sons, Dubuque, Ia., $103,736 and $3,750 respectively; 558,749 yd. main and lateral ditches, at $0.13, to Strom, Degerness & Hanson, Gary, $72,637; bridges to T. M. Thompson Bridge Co., 1013 Plymouth Bldg., Minneapolis, $11,100; spillway culvert to Vinton Eng. & Contsr. Co., Vinton, Ia., $3,985; corrugated pipe culverts with gates, grates and concrete to Mikelson Cement Products Co., Albert Lea, $48,047; tile to Lehigh Sewer Pipe & Tile Co., Ft. Dodge, Ia., $8,797 and to Quality Cement Products Co., Medford, $9,167; trenching and laying tile to T. Cipra and F. Nerad, Myrtle, $10,666. Noted Nov. 10.

Streets and Roads

PROPOSED WORK

Pa., Warren—Plans paving Lexington and 4th Aves. $50,000. A. Rogers, city engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and surfacing 9.8 mi. road from Bragtown to Granville Co. line, State Project 413, Durham Co., $40,000, 18.3 mi. from Randolph Co. line to Moore Co. line, State Project 555, Montgomery Co., $90,000, 15.2 mi. from Asheboro to Montgomery Co. line, State Project 581, Randolph Co., $75,000, 11.5 mi. from Mecklenburg Co. line, via Mt. Holly, to Lincoln Co. line, State Project 633, Gaston Co., $55,000, 13.1 mi. from Wadesboro to Richmond Co. line, State Project 609, Anson Co., $65,000, 22.7 mi. from Montgomery Co. line to Aberdeen, State Project 570, Moore Co., $100,000; grading and surfacing 8.7 mi. from end of State Project 535 to Rockingham Co. line, State Project 536, Guilford Co., $40,000, 10.4 mi. from Greensboro to Randolph Co. line, State Project 537, Guilford Co., $50,000, 10.2 mi. from end of Federal Aid Project 72 to Wadesboro, State Project 608, Anson Co., $50,000, 8.2 mi. from Guilford Co. line to Reidsville, State Project 592, Rockingham Co., $40,000, 7.7 mi. from Guilford Co. line to Randleman, State Project 580, Randolph Co., $38,000, 10.4 mi. from Statesville to Alexander Co. line, State Project 640, Iredell Co., $50,000, 7.5 mi. from Neuse to Franklin Co. line, State Project 485, Wake Co., $35,000, 9.3 mi. from Raleigh to Neuse, State Project 484, Wake Co., $45,000, 6.5 mi. from Stovall to Virginia State line, State Project 429, Granville Co., $30,000, 5 mi. from Lewis to Stovall, State Project 428, Granville Co., $27,000; grading and paving with some type of hard surface 4.9 mi. from Concord to Rowan Co. line, State Project 615, Cabarrus Co., $104,000, 3.5 mi. from Warrenton to Norlina, State Project 493, Warren Co., $75,000; concrete or asphaltic paving 5.22 mi., State Project 504, Alamance Co., $135,000, 4.2 mi., State Project 535, Guilford Co., $120,000. C. M. Upham, state highway engr.

North Carolina—State Hy. Comn., Raleigh, plans grading and surfacing 6.7 mi. road from Silver City to Randolph Co. line, State Project 402, Chatham Co. $30,000. C. M. Upham, state highway engr.

N. C., Newton—Catawba Co. Highway Comn. plans topsoiling 12 mi. road. $25,000. O. Brown, Long Island, chn.

Fla., Williston—Dec. 28, to vote on $36,000 bonds hard surfacing various streets. C. E. Scarborough, clk.

Ill., Waukegan—Lake Co. making plans bituminous concrete paving 5 mi. road west from Gurnee, 18 ft., $150,000; 2.5 mi. road from Highland Park to Deerfield, 24 ft., $75,000; 2.5 mi. road from Highwood west to Telegraph Rd., 18 ft. $75,000. C. M. Powell, Waukegan, engr.

Wis., Elkhorn—Walworth Co. plans following road work for 1922, concrete paving Trunk Highway 61 from Delavan southwest, $26,499, Sharon-Darien Rd., $12,706, Walworth-Darien Rd. from Junction of Trunk Highway 61 North, $4,000, Elkhorn-Williams Bay Rd., $9,000, Trunk Highway 20, $20,000, 4 mi. road in town of Troy, $122,000, Lake Geneva-Walworth Rd., $280,000, Burlington-Elkhorn Rd., $240,000, Elkhorn-Delevan Rd., $120,000, Lake Geneva-Springfield Rd. from Lake Geneva city limits north and east to R.R. tracks at Springfield. Richmond-Whitewater Rd., $180,000; gravel surfacing Milwaukee-Millard-Tibbett Rd., $42,200, Lagrange-East Troy Rd., $47,500, East Troy-Springfield Rd., $15,000; maintenance of trunk highway system, $30,000. H. J. Peters, comr.

Wis., Fond du Lac—Fond du Lac Co. plans following road work for 1922: concrete paving Trunk Highway 23 in Ripon and Rosendale, $180,000; Trunk Highway 103, Metomen, Springvale and Waupun from Brandon east, $170,000; Trunk Highway 55, in city, Empire and Eden, from city southeasterly, $225,000; in Auburn from Washington Co. line north, $180,000; Trunk Highway 31, $100,000; graveling Peebles-Calvary-Wolf Lake Rd., in Taycheedah and Marshfield, $64,500; Wolf Lake and St. Cloud Rd. in Marshfield, $21,000; Malone-Mt. Calvary Rd. in Taycheedah and Marshfield, $10,100; Calvary-Mt. Calvary Rd., in Marshfield, $14,000; Rosendale-Oshkosh Rd., in Rosendale and Eldorado, $10,000; Ripon-Rush Lake Rd., $10,000. G. Treleven, comr.

Wis., Janesville—Rock Co. plans following road work for 1922, gravel surfacing 16,500 ft. Milton-Johnstown Rd., 5,000 ft. Shopier-Clinton Rd., 13,200 ft. Beloit-Monroe Rd., 740 ft. Janesville-Shopier Rd., 8,900 ft. Janesville-Avalon Rd., 5,300 ft. Edgerton-Stoughton Rd., 5,300 ft. State Line Rd., 5,300 ft. Johnstown-Center-Avalon Rd., 7,830 ft. Whitewater-Edgerton Rd., and 6,130 ft. Footville-Evansville Rd. C. E. Moore, comr.

Wis., Juneau—Dodge Co. plans following road work for 1922, concrete paving Waupun-Beaver Dam Rd., South Beaver Dam Rd., Juneau-Hustiford Rd., Clyman-Columbus Rd., Rubicon Rd., Horicon-Iron Ridge Rd., Fond du Lac-Milwaukee Rd.; graveling Randolph-Beaver Dam Rd., $950,000. E. T. Klug, comr.

Streets and Roads (Continued)

Wis., Kewaskum—Making plans paving 2 mi. streets, 2 course rein.-con., concrete curb and gutters, $60,000. J. Donohue, 608 North 8th St., Sheboygan, engr.

Wis., Madison—Making plans paving, curbing and guttering and building sidewalks on .9 mi. Langdon, Murray and Regent Sts., 1 course rein.-con. $25,000. E. E. Parker, City Hall, engr.

Wis., Viroqua—Making plans paving 1.1 mi. West Bway., Decker and Hillyer Sts., 22 ft. 1 and 2 course rein.-con. $35,000. W. G. Kirchoffer, Vroman Blk., Madison, engr. Noted Nov. 3.

Wis., Wisconsin Rapids—Wood Co. plans to complete concrete road between Seneca Corners and Arpin, $121,054; grading and surfacing roads, $44,289. E. Morris, comr.

Ia., Washington—Making plans paving South Marion Ave., South 4th and Harrison Sts., blocks or brick on concrete. $30,000. W. F. Raun, Court House, engr. Noted Sept. 8.

Minn., St. Paul—Plans 5,236 yd. brick pavement, $28,850; 70,913 yd. concrete, $217,504; 71,408 yd. creosoted block, $434,693. O. Claussen, city engr.

Kan., Hiawatha—Brown Co. making plans grading 6 mi. Capital Highway, 30 ft. E. C. L. Wagner, 603 Kemper Bldg., Kansas City, Mo., engr.

Wyoming—State Hy. Dept., Cheyenne, rejected bids surfacing Lincoln Highway, Federal Aid Project 33, Albany Co., and Lincoln Highway, Federal Aid Project 85, west of Casper, in Natrona Co. Latter project will be readvertised this month. Noted Nov. 3.

Mont, Great Falls—Plans paving 2 mi. 2nd Ave. S. $80,000. M. L. Morris, city engr.

Tex., Wharton—Wharton Co. making plans surfacing, topping and building 100 ft. concrete bridge on 6.4 mi. State Highway 3,370 cu.yd. structural excav., 32,105 gal. asphaltic oil, 286 cu.yd. concrete, 20,767 cu.yd. gravel and 1,115 cu.yd. crushed rock surfacing, 24,176 lb. reinforcing, $103,748; grading 24 mi. Highway 12 from west line Precinct 1 to Jackson Co. line, 2,200 cu.yd. concrete, 192,000 cu.yd. earth and 1,180 cu.yd. structural excav., 77,500 lb. reinforcing, $120,000. A. P. Rollins, c/o Nagle-Witt-Rollins Eng. Co, Wharton, engr.

Idaho, Payette—Plans grading and paving 1 mi. North 6th St., 3rd North and Center Aves., 20 ft., warrenite bithulithic. $50,000. C. P. Lattig, Payette, engr.

Ont., Toronto—Making plans paving Edward St., asphalt on concrete, concrete curbs and gutters, $33,199, surfacing Richmond St. W., asphalt, $5,124, concrete sidewalks on Ranleigh and Selkirk Aves., $6,094. R. C. Harris, city engr.

BIDS DESIRED

Rhode Island—Dec. 14, by State Bd. Pub. Rds., Providence, 1.4 mi. Smithfield-Farnum Pike, bituminous macadam and 5.9 mi. Glocester, Scituate-Chepachet, southerly on Cherry Valley and Chopmist Rds., to Danielson Pike, bituminous concrete (Topeka); adv. this issue.

N. Y., New York—Dec. 6, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., widening and repaving 60th St. from 2nd to 3rd Aves.; repaving East 61st St. from 3rd to Park Aves., Bleecker St. from 7th Ave. to Grove St., East 52nd St. from 1st to Lexington Aves., 69th St. from Amsterdam to West End Aves., East 76th St. from Madison to 5th Aves., sheet asphalt on concrete. Former bids rejected. Noted Nov. 10 and 24.

W. Va., Huntington—Dec. 15, by Comrs. Cabell Co., grading and paving 1.5 mi. Kanawha and James River Turnpike, 32 ft. $35,000. J. N. Doyle, co. engr.

North Carolina—Dec. 9, by State Hy. Comn., Raleigh, grading and paving 1.9 mi. State Project 823, Cleveland Co., 4,600 cu.yd. excav., 2,060 cu.yd. rock excav., 19,420 sq.yd. concrete or asphaltic paving, 660 cu.yd. concrete, 107,950 lb. reinforcing, etc., $86,000. C. M. Upham, state highway engr. Noted Sept. 1.

S. C., Florence—Dec. 13, by Mars Bluff Bridge Bd., 2 mi. road; adv. this issue.

S. C., Orangeburg—Dec. 6, by Orangeburg Co., grading and surfacing 8.25 mi. Orangeburg-Augusta Rd. between Springfield and Neeses, 43,804 cu.yd. excav., 20,315 cu.yd. sand-clay surfacing. L. K. Sturkie, clk.

Florida—Dec. 10, by State Rd. Dept., Tallahassee, surfacing 10 mi. Mt. Dora-Plymouth Highway, 3 in. top surface, finished with Birmingham slag, on 8 in. rock. $150,000. C. A. Browne, state highway engr.

Fla., Bradentown—Dec. 10, by Comrs. Manatee Co., grading and paving 55 mi. Manatee-Oneco Rd. Dist., 250,000 cu.yd. grading, 94,000 sq.yd. asphalt and 105,000 sq.yd. shell. $250,000. McElroy Eng. Co., Giddens Bldg. Tampa, engrs. Noted July 21.

Fla., Tampa—Dec. 6, 8,215 sq.yd. asphalt block paving and 3,500 lin.ft. granite curbing. R. D. Martin, city engr.

Ind., Greenfield—Dec. 19, by Comrs. Hancock Co., gravel surfacing following roads: H. E. Wilson and J. E. Wilson, Green Twp., $11,100 and $11,625, respectively, Parks Crossley, Vernon Twp., $9,950, Wright also Wickard and I. J. Baity, Center Twp., $13,600, and $11,425 respectively, S. C. Staley, Brown Twp., $4,275, C. A. Presnall, Jackson, Twp., $11,975, E. B. Clift, Center and Brandywine Twps., $12,945; with gravel and concrete C. R. Milbourn Rd., Brandywine Twp., $14,500. C. Boone, co. surv.

Mich., Lapeer—Dec. 8, by State Hy. Dept. at office Bd. Rd. Comrs. Lapeer Co., grading and surfacing 7.515 mi. State Trunk Line Rd. 53-4, Sect. B, 58,809 cu.yd. excav., 70,544 sq.yd. gravel or stone-gravel. F. F. Rodgers, Lansing, state highway comr.

Ill., Effingham—Dec. 6, paving North 3rd St., brick on concrete. $25,000. G. Austin, Effingham, engr. Noted July 28.

Ill., Springfield—Dec. 6, paving, curbing and guttering various streets, vitr. brick on concrete. $29,000. W. Seeley, city engr.

Ia., Forest City—Dec. 8, by Auditor Winnebago Co., grading and gravel surfacing Sects. A and B Primary Rd., Project 120, east and west through Thompson, 21,716 cu.yd. earth work and 22,255 cu.yd. gravel.

Washington—Dec. 12, by State Hy. Comn., Olympia, clearing, grading and crushed rock surfacing 3 mi. Navy Yard Highway, from Tidewater Creek to Charleston, Kitsap Co., gravel surfacing 2.5 mi. North Bank Highway from Underwood to Bingen, Klickitat Co., 3 mi. North Bank Highway from Cooks to Underwood, Skamania Co., 9 mi. Olympic Highway between Beaver and Forks, Clallam Co.; clearing and grading 2 mi. Ocean Beach Highway from Nasel to Johnsons Landing, Pacific Co. J. Allen, state highway engr.

Wash., Morton—Dec. 13, paving Main St., et. al., 70,224 sq.yd. concrete. C. P. Hicks, Centralia, engr. Noted Oct. 27.

California—Dec. 12, by State Hy. Comn., Sacramento, asphaltic concrete paving 2.8 mi. highway between ½ mi. northwest of Merced and Girard Ave., Merced Co.; 7 mi. highway between Tracy and ½ mi. east, San Joaquin Co. A. B. Fletcher, state highway engr.

Cal., El Centro—Dec. 19, by Bd. Supervs. Imperial Co., paving West Side Highway, 128,800 sq.ft. concrete, 10,000 cu.yd. excav.; Calexico Rd. west, 169,376 sq.ft. concrete, 100 cu-yd. excav.; Calexico-Bonds Corner Rd., 253,744 sq.ft. concrete, 500 cu. yd. excav. E. P. Watson, Jr., co. highway engr.

BIDS RECEIVED

Massachusetts—State Hy. Dept., Boston, gravel surfacing 21,100 ft. highway in Plainfield and Cummington, from G. T. Seabury, Inc., 44 Washington St., Providence, R. I., $77,805; L. C. Carchia, Newton, $81,832; De Onfro Bros., Leominster, $82,780. Noted Nov. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Nov. 22, repaving (1) 8th Ave., (2) 1st Ave., curbing and laying sidewalks on (3) Pierce Ave., reconstructing outlet (4) Far Rockaway Disposal Plant, from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $10,800, (2) $12,640; Cleveland Trinidad Paving Co., Flushing, (1) $11,772, (2) $13,496; W. P. McDonald Constr. Co., 618 Union St., Brooklyn, (1) $11,801, (2) $13,858; F. J. Clancy, 460 Lockwood St., Astoria, (3) $16,590; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (3) $16,740; Hastings Pavement Co., 25 Broad St., New York, (3) $17,660; Slattery & Sweeney, 10 East 43rd St., New York, (4) $5,822; J. P. A. Hart, (4) $6,462. Noted Nov. 17.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Nov. 28, repaving (1) 52nd St. from Lexington to Park Aves., (2) 76th St. from Ave. A to Lexington Ave., sheet asphalt, curbing, recurbing, flagging, reflagging and paving (3) Fairview Ave. from St. Nicholas Ave. to point 571 ft. westerly, granite block on concrete, grading, curbing and flagging (4) West 187th St. from Northern to Pinehurst Aves., from J. E. Gaffney, 438 East 91st St., (1) $5,255, (2) $32,488; Asphalt Constr. Co., 2197 Madison Ave., (1) $5,264, (2) $32,098; Brusstar Constr. Co., Inc., Harlem River and 150th St., (1) $5,389; Interboro Asphalt Co., 233 Bway., (2) $32,131; P. J. Kearns Contg. Co., 2306 Creston Ave., (3) $25,758, (4) $69,135; J. Meehan & Son, 74 Cortland St., (3) $26,013; D. J. McCarthy, 88 Audubon Ave., (3) $27,164; M. Del Balso, 660 East 221st St., (4) $67,988; Fordham Contg. Co., (4) $69,204. Noted Nov. 24.

Pennsylvania—State Hy. Dept., Harrisburg, opened bids Nov. 22, paving 1.483 ft. Application 1700, Bradford Co., from R. J. DeLong, 229 West 4th St., Williamsport, $16,635, G. Metzger, Jr., Emporium, $17,485, W. J. and J. T. Gephart, 341 Pine St., Williamsport, $17,907; 32,669 ft. Route 262, Clearfield and Indiana Counties, from Anderson Constr. Co., Parnassus, $267,453, Burnside Constr. Co., Inc., Burnside, $277,539, M. Bennett & Sons, Indiana, $279,472; 31,221 ft. Route 262, Indiana Co. from R. J. DeLong, 229 West 4th St., Williamsport, $230,522, Azzara-Burd Constr. Co., Cresson, $231,061, Comerford Constr. Co. 125 South 5th St., Phila., $240,921; 11,497 ft. Route 211, McKean Co., from W. J. and J. T. Gephart, 341 Pine St., Williamsport, $26,627, Horn & Devling, Galeton, $29,525, Rizzuti & Chiodo Co. Inc., 161 Pleasant St., Bradford, $30,026. Noted Nov. 3.

Pa., Philadelphia—For paving (1) Montrose St., (2) 66th St., (3) 59th St., (4) Jefferson St., (5) Edgewood and 61st Sts., all foregoing asphalt, (6) Kingessing Ave., asphalt and granite block, (7) grading Gratz St. and 67th Ave., from Barber Asphalt Paving Co., Land Title Bldg., (1) $6,680, (2) $9,683, (3) $15,652, (4) $3,250, (5) $8,600, (6) $9,360; Eastern Paving Co., Colonial Trust Bldg., (1) $6,955, (2) $10,176, (3) $15,976, (4) $3,567, (5) $8,752, (6) $9,876; C. G. Shoffer & Co., Philadelphia, (7) $5,008; T. L. Flannigan, 1204 East Montgomery St., (7) $5,352; R. L. Wenner, Lincoln Bldg., (7) $5,672. Noted Nov. 17.

Virginia—State Hy. Comn., Richmond, grading 6.19 mi. road between Ripplemead and Hoges Store, 12 ft., Federal Aid Project 128-A, Giles Co., from L. J. Chandler & Co., Virgilina, $99,760; Warden Constr. Co., Pulaski, $105,320 Burgess & Atkinson, Scottsville, $112,098.

North Carolina—State Hy. Comn., Raleigh, (1) clearing, grading and topsoiling 14.85 mi. State Project 511, Caswell Co., (2) grading and paving topeka top on 5 in. concrete, 10.24 mi. State Project 525, Davidson Co., (3) 11.7 mi. State Project 532, Guilford Co., (a) grading and paving, topeka on 5 in. concrete, (b) rein.-con. bridges and culverts, (4) 10.89 mi. State Project 501, Alamance Co., (a) grading and topsoiling, (b) rein.-con. culverts, (5) grading and paving, topeka on 5 in. concrete 5.22 mi. State Project 504, Alamance Co., from White & Simpson, Chatham, Va. (1) $36,916; S. L. Davis Constr. Co., Greensboro, (1) $37,051, (4a) $25,097; E. A. Wilson & Co., Knoxville, Tenn., (1) $43,755; Elliott-Sholes Co., Durham, (2) $294,009, (3a) $334,892, (3b) $17,977, (5) $140,115; Elliott & Sons, Spartanburg, S. C., (2) $302,198; Porter & Boyd, Realty Bldg., Charlotte, (2) $330,341, (3a) $382,148; J. J. Dunnegan Constr. Co., Savannah, Ga., (3b) $17,917; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (3a) $359,909, (5) $145,955; J. M. Gregory & Co., Danville, Va., (3b) $17,987, (4b) $6,817; W. M. Shook, Liberty, (4a) $23,743; Hanford Bros., Burlington, (4b) $5,918; Crawford & Crawford, Mebane, (4a) $24,984 C. B. Hester, Greensboro, (4b) $6,076; P. R. Ashby, Tucker Bldg., Raleigh, (5) $166,145. Noted Nov. 3.

Missouri—State Highway Dept. at div. office Chillicothe, opened bids Nov. 11, 1.804 mi. road east and west through Livingston Co., State Aid Project 20.34, Livingston Co., 1) 1,714 cu.yd. earth excav., (2) 87,064 cu.yd. borrow, etc., from C. W. Dillingham, St. Joseph, (1) $0.30 per cu.yd., (2) $0.16, total $24,723; Diemer & Williamson Constr. Co., Brookfield, (1) $0.22, (2) $0.20, $28,192; L. Vaill, Kansas City (1) $0.25, (2) $0.205, $29,230.

Missouri—State Hy. Dept., at div. office Lamar, opened bids Nov. 3, 17.093 mi. road east, west, north and south through Barton Co., State Aid Project 20,104, Barton Co., 44,436 cu.yd. earth excav., etc., from Allhands & Davis, Joplin, $0.215 per cu.yd., total, $29,681; M. E. Gilliog, Monett, $0.245, $30,215; Hanson Syndicate, Lamar, $0.31, $31,975.

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office Mexico, 7.247 mi. road east and west through Audrain Co., State Aid Project 20.95, Audrain Co. (1) 22,224 cu.yd. earth excav., (2) 9,154 cu.yd. borrow, etc., from L. W. Spangler, Edinburg, Ill.. (1) $0.30 per cu.yd., (2) $0.22, total, $23,915; Farrell, Dubrouillet & Cushion, Linn, (1) $0.35, (2) $0.30, $25,067; A. L. Cook, Ottawa, Kan., (1) $0.35, (2) $0.32, $26,182.

Tex., Breckenridge—Stephens Co. grading, surfacing and topping (1) 10.31 mi. State Highway 1, Albany Rd., 53.27 acres clearing, 52,610 cu.yd. borrow, 51,948 cu.yd. roadway, 6,344 cu.yd. loose and 1,461 cu.yd. solid rock excav., 23,333 sq.yd. bituminous macadam, 41,509 gal. asphaltic oil, 2,239.07 cu.yd. concrete, 199,840 lb. reinforcing and 167,920 lb. structural steel, 37,005 cu.yd. crushed stone to be furnished by county; (2) 19.78 mi. State Highway 1, Caddo Rd., 60 acres clearing, 78,611 cu.yd. borrow, 90,508 cu.yd. roadway, 14,499 cu.yd. loose and 5,757 cu.yd. solid rock excav., 2,579 cu. yd. concrete, 260,266 lb. reinforcing, 70,481 cu.yd. crushed stone to be furnished by county; from Womack Constr. Co., McKinney, (1) $220,337, (2) $301,564; Tibbetts Constr. Co., Box 179, Mineral Wells, (1) $206,651, (2) $279,415, (cost does not include bituminous topping; Maney Bros. & Co., Oklahoma City, Okla., (1) $270,790, (2) $364,506.

Tex., Marshall—Harrison Co. grading and surfacing (1) 19.03 mi. State Highway 11, (2) 4.21 mi. State Highway 11, (3) 16.29 mi. State Highway 11, all 16 ft., from F. P. McElwrath, Corsicana, (1) $59,530, (2) $7,939, (3) $46,804; Coche & Turner, Marshall, (1) $62,248, (2) $9,201, (3) $49,767; R. G. Buckner & Sons, Cleburne, (1) $69,545; Tibbetts Constr. Co., Box 179, Mineral Wells, (2) $9,205, (3) $54,737. Noted Nov. 10.

California—State Hy. Dept., grading 12 mi. highway between Flynn Creek and mouth of Navarro River, (a) 180,000 cu.yd. excav., (b) 450 cu.yd. concrete, from J. P. Holland, 540 Brannan St., San Francisco, (a) $0.84 per cu.yd., (b) $25, etc., total $170,239; Redman Page & Co., Balboa Bldg., San Francisco, (a) $0.85, (b) $25, total $171,176; Palmer & McBryde, 503 Market St., San Francisco, (a) $8.88, (b) $25, total $176,882. Noted Nov. 10.

CONTRACTS AWARDED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 8.02 mi. Hague-Ticonderoga, Highway 8079, Essex and Warren Counties, to A. Barboni, 314 Elm St., Syracuse, $250,602; 0.24 mi. Conesus-Wayland (Springwater Crossing), Highway 1321 A, Livingston Co., to Vonder Born & Rush, New York, $12,660; 1.85 mi. Caledonia-Mt. Morris, Part 3, Highway 5666, Livington Co., to A. W. Smith, Leroy, $39,605; 2.58 mi. Ft. Montgomery-Highland Falls, Highway 8078, Orange Co. and 11.46 mi. Wurtsboro-Ellenville, Highway 8080, Sullivan and Ulster Counties, to Steam Shovel Excavation Co., 91 Court St., Brooklyn, $100,750 and $320,138 respectively; 4.41 mi. Garrettsville-West Burlington, Highway 1603, Otsego Co., to J. F. Paddelford, North Main St., Sherburne, $138,216; 5.24 mi. Cobleskill-Sharon Springs, Part 2, Highway 1467, Schoharie Co., to C. H. Scudder, Painted Post, $136,606; 3.61 mi. Grahamsville-Montela, Highway 1601, Sullivan Co., to Schunnemunk Constr. Co., Highland Mills, $81,599; piers and abutments, Tompkins Cove-West Haverstraw, Highway 8049 A, Rockland Co., to Gifford Constr. Co., Jamaica, $29,134; reconstructing 7.6 mi. Skinnersville-New Home Bridge, Rd. 584, Rep. Contr. 3018, Erie Co., to Holmes & Murphy, Orchard Park, $147,046; 3.88 mi. Mt. Kisco-Pleasantville, Highway 519, Rep. Contr. 3020, Westchester Co., to F. Roeber Co., Inc., 507 5th Ave., New York, $128,843. Noted Nov. 10.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving Bent Ave. and portions of roadway of Manhattan Ave., etc., to Brooklyn Manhattan Contg. Corp., 26 Court St., $84,123 and $41,338 respectively. Noted Nov. 10.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., Boro Hall, widening and repaving 52nd St., to Interboro Asphalt Co., 233 B'way, $14,955; repaving Bridge St., to P. J. Kearns Contg. Co., 2306 Creston Ave., $6,232; 65th St., to J. E. Gaffney, 438 East 91st St., $11,328. Noted Nov. 10 and 24.

N. J., Long Branch—Bd. Comrs. paving Ocean Ave. northwardly from Sea View Ave. at boardwalk to southerly boundary line of Monmouth Beach Boro. to Newark Paving Co., 133 1st St., Newark, $76,000. Noted Nov. 10.

Pa., Phila.—To Union Paving Co., 37th and Spruce Sts., paving 2nd St., $7,635, Ashdale St., $3,649, York Rd., $37,606; Barber Asphalt Paving Co., Land Title Bldg., Weymouth St., $3,598; F. Mark Constr. Co., Commercial Trust Bldg., 20th St., 66th and 67th Aves., $5,998; J. G. Meade Constr. Co., 4937 Broad St., Cheldwyne Ave., $3,956. Noted Nov. 17.

N. C., Winton—Hertford Co. will grade and sand-clay surface various roads by day labor under supervision F. G. Hines, supt. $250,000. Noted Sept. 1.

Fla., Kelsey City (West Palm Beach, P. O.)—H. S. Kelsey, grading and surfacing, rock with binder, 6 mi. various streets including Dixie Highway, 9-16 ft., to Greynolds & Monroe, West Palm Beach, $80,000.

Fla., Stuart—Resurfacing 7 mi. various streets, crushed rock with oil binder, 9-24 ft., to E. P. Maule, Ojus, $3.29 per ton rock, $0.28 per sq.yd. oil binder; also 1,100 ft. concrete curb and 2 small concrete bridges, $11,000.

Fla., Tarpon Springs—Paving and curbing 2 mi. various streets, 28,000 sq.yd. vitr. brick and 15,000 lin.ft. concrete curbing, to J. B. McCrary Eng. Co., 3rd Natl. Bank Bldg., Atlanta, Ga., $91,282.

Fla., Titusville — Brevard Co. grading and surfacing 15 mi. Melbourne-Kissimee Rd., asphalt or oil on 6 in. rock, 528 sta. machine grading, 58,928 cu.yd. embankment, 140,605 sq-yd. macadam. 224,000 ft. b.m. bridge timber, to E. P. Maule, Ojus, $119,582. Noted Nov. 24.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridges, culverts and paving roads in following counties: Sect. "A" Youngstown-East Liverpool Rd., 1.58 mi., bituminous macadam, R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, $49,896, Henry Co., Sect. "A" Toledo-Napoleon Rd., 3.35 mi. waterbound macadam, to R. Stone, Lima, $39,218. Columbiana Co., Sect. "C-1" Lisbon-Salineville Rd., 0.971 mi., grading and paving bituminous macadam, to R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, $24,994. Williams Co., Sect. "G-1" Bryan-Napoleon Rd., grading bridges and culverts, to Fred F. Walton, Upper Sandusky, $31,054. Adams Co., Sect. "D" West Union-Sinking Springs Rd., bridge, to C. J. Fox, Brookville, $5,362. Sect. "G" Newark-Mt. Vernon Rd., bridge, to Otto Ruhela, Chardon, $7,657. Sect. "G" Newark-Mt. Vernon Rd., bridge, to Stout & Stout, Stoutsville, $21,419. Licking Co., Sect. "G" Newark-Mt. Vernon Rd., repairing bridge, to Standard Eng. Co., Telodo, $3.344. Noted Nov. 24.

O., Cleveland—Paving Forest Ave., to E. Gedney, Ansel Rd., $24,490; East 64th and East 115th Sts., to Reiley Bros., The Arcade, $26,370. Noted Oct. 27.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 7.3 mi. Route 10, Sect. 21, and 5.25 mi. Route 10, Sect. 23, Sangamon Co., to H. C. Finley Constr. Co., Hoopeston, $161,918 and $111,882 respectively; 5.19 mi. Route 15, Sect. 15, Jefferson Co., Shidler Constr. Material Co., Kankakee, $117,691; grading 2.14 mi. Route 25, Sect. 38-A, Iroquois Co., New Era Constr. Co., 6548 Bosworth Ave., Chicago, $15,615; 2 concrete bridges, Route 25, Sect. 38-B, Zimmerly Bridge Co., Paris, $10,939. Noted Oct. 20.

Kan., Hiawatha—Paving various streets vitr. brick on concrete, to Baehl & Edgers, Leavenworth, $30,199.

Wyoming—State Hy. Comn., Cheyenne, grading and surfacing 3 mi. Lincoln Highway, between Buford and Laramie, Federal Aid Project 36, Albany Co., surfacing Cheyenne-Torrington Rd., between Horse Creek and Five Mile Bridge, Federal Aid Project 82, Laramie Co., to Bagley Bros., Wheatland, $6,060 and $83,032 respectively; Casper-Sheridan Rd., south of Buffalo, Federal Aid Project 69, Johnson Co., to Watt Bros., Tensleep, $20,288. Noted Nov. 3.

Missouri—State Hy. Dept., Jefferson City, 3.273 mi. road from Dill to Hickory Co. line, State Aid Project 20.9, Benton Co., 14,408 cu.yd. earth and 250 cu.yd. rock excav. and 1,086 cu.yd. concrete masonry, etc., to Kelley Constr. Co., Weaubleau, $11,457; 2.386 mi. road north and south through Pemiscot Co., State Aid Project 20.101, Pemiscot Co., to W. G. Wallace, Carruthersville, $4,382; 7.21 mi. road from Phelps Co. line near Knobview to Cuba, State Aid Project 20.105, Crawford Co., 38,512 cu.yd. earth and 500 cu.yd. rock excav. and 224.9 cu.yd. concrete masonry, to Birmingham & Jones, St. James, $19,068; 1,371 mi. road from St. Louis to Springfield, State Aid Project 20.107, Pulaski Co., 13,472 cu.yd. earth and 600 cu.yd. rock excav., and 83 cu.yd. concrete masonry, etc., to S. Rollins, Waynesville, $12,447; 1.918 mi. road from Paris to Mexico, State Aid Project 20.109, Audrain Co., 10,263 cu.yd. earth excav. and 108.6 cu.yd. concrete masonry, to R. J. Oliver, St. Louis, $8,699.

Missouri—State Hy. Dept., at div. office, St. Joseph, 6.639 mi. road from St. Joseph to Dearborn, Federal Aid Project 180, Buchanan Co., to Moritz & Oren, Effingham, Ill., $211,550. Noted Nov. 24.

Tex., McKinney—Collin Co. surfacing with local stone and gravel 15.03 mi. in Plano Dist., Contr. 25, and 8.97 mi. in Frisco Dist., Contr. 24, to D. H. Purvis & Son, Ft. Worth, $38,788 and $26,303 respectively. Materials to be furnished by county.

Tex., San Marcos—Hays Co. grading and surfacing 13.92 mi. State Highway 29-A, 16 ft., to Rice & Winder, 1101 West 22nd St., Austin, $57,059. Noted Nov. 24.

Idaho, Shoshone—Lincoln Co., gravel surfacing 21 mi. road from Barrymore to Hazelton, 20 ft., 25,000 cu.yd., to R. L. Reed, Jerome, $118,000.

Utah—State Hy. Comn., Salt Lake City, grading 12.56 mi. road from Marysvale to near Junction, Federal Aid Project 10, Piute Co., and gravel surfacing 4 mi. 18 ft., to A. C. Young, Richfield, $64,001. Noted Nov. 17.

California—State Hy. Comn., at div. office San Francisco, paving 8.3 mi. highway between Batavia and northerly boundary, Solano Co., to Clark & Henery Constr. Co., 38 South Sutter St., Stockton. Noted Nov. 24.

Cal., Los Angeles—Grading, oiling and concrete paving Whitsett Ave. between Leesdale St. and Sherman Way, 130,410 sq.ft. concrete, 130,410 sq.ft. grading, 65,090 sq.ft. oiling, to G. R. Curtis, 2440 East 26th St., $46,936.

Cal., Los Angeles—Los Angeles Co., paving, curbing and guttering 1.4 mi. streets in Puente Rd. Dist. 199, 13,395 lin.ft. concrete curbing, 13,540 sq.ft. concrete guttering, 13,409 cu.yd. excav., 25,618 sq.yd. oil macadam, to W. E. Hall, 286 Bandine St., Riverside, $52,250.

Industrial Works

PROPOSED WORK

Mass., West Springfield—(Springfield P. O.)—Natl. Library Bindery Co., 29 Worthington St., Springfield, having plans prepared 2 story, 50 x 110 ft. mill construction factory, here. $40,000. Private plans.

Conn., Bridgeport—Frisbie Pie Co., 363 Kossuth St., soon lets contract 2 story, 90 x 100 ft. bakery, brick and steel, plain foundation, Kossuth St. $50,000. Private plans.

Conn., Torrington—Union Hardware Co., 535 Migeon Ave., soon lets contract 1 and 2 story, 60 x 300 ft. mill construction addition to factory, plain foundation. Private plans.

N. Y., New York—W. H. Meyer, archt. and engr., 1861 Carter Ave., soon takes bids 4 story ice storage plant, brick and concrete, plain foundation, Webster Ave. $100,000. Owner's name withheld.

N. J., New Brunswick—State Bd. Dirs. New Brunswick Experiment Station plan dairy and husbandry building. $200,000. A. B. Mills, 142 West State St., Trenton, engr.

Pa., Ellwood City—Pittsburgh Malleable Iron Co., 34th and Smallman Sts., Pittsburgh, plans 1 story plant, Spruce Alley, here. Architect not selected.

Pa., Phila.—Escourt Hotel Co., 910 Ridge Ave., plans 4 story, 45 x 60 ft. cold storage plant, 913-915 Ridge Ave. $100,000. Architect not selected.

Pa., Phila.—Farmers Cold Storage Co., c/o G. T. Sales, Liberty Bldg., opens bids about Jan. 2, 4 story, 90 x 100 ft. brick and steel plant, Levick St. and Delaware Ave. $200,000. Ophuls, Hill & McCreery, Inc., 112 West 42nd St., New York, engrs. Noted June 16.

Pa., Pittsburgh—United States Lock Nut Corp., 400 North Michigan Ave., Chicago, Ill., plans plant, here. $500,000. Architect not selected.

Industrial Works (Continued)

W. Va., Albright—West Virginia & Maryland Power Co., Tunnelton, plans central generating plant along Cheat River, near here.

W. Va., Clarksburg—United Mfg. & Equipment Co., making plans brick machine shop. Private plans.

W. Va., Glen Jean—Appalachian Power Co., Bluefield, plans addition to light and power plant, here. Viele, Blackwell & Buck, 49 Wall St., New York, consult. engrs.

W. Va., Nitro—E. P. Bailey Co. having plans prepared 1 story foundry and machine shop. $100,000. Private plans.

W. Va., Pikeville—Kentucky and West Virginia Power Co., Church St., New York, having plans prepared for power house, here. R. F. Weller, Hibbs Bldg., Wash., D. C., structural engr.

O., Canton—Canton Ice & Fuel Co., 601 4th St. N. E., had plans prepared by A. C. Bishop & Co., archts. and engrs., 427 Guardian Bldg., Cleveland, 1 story, 30 x 100 ft., brick and steel plant addition, plain foundation. $40,000.

O., Cleveland—E. W. Bliss Mfg. Co., St. Clair Ave., along tracks of New York Central R.R., plans 1 story, brick and steel forge shop, plain foundation. $40,000. Private plans.

O. Cleveland—A. W. Emerick—Garage, 16,205 St. Clair Ave., takes bids about Dec. 15, 1 story, 55 x 150 ft., brick and steel garage, plain foundation, St. Clair and Holmes Aves. $50,000. H. W. Steffens, 13,000 Forest Hill Ave., archt.

O., Cleveland—Industrial Fibre Co., West 98th St. and Walford Rd., having plans prepared 2 story, brick, steel and concrete factory addition, plain foundation. $75,000. Private plans.

O., Orrville—Cyclone Drilling Co. soon lets contract 1 story, 100 x 250 ft., brick, steel and concrete machine and forge shop, plain foundation. $200,000. Private plans.

Mich., Detroit—Simons Sales Co., 436 West Willis Ave., having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., 1 story, 50 x 170 ft., rein.-con., brick and steel sales and service building, plain foundation, Woodward and Canfield Aves. $85,000.

Ill., Chicago—A. V. Teisen, archt., 4804 North Kedzie Ave., preparing plans 2 story garage, brick and steel. $40,000. Owner's name withheld.

Ill., Chicago—Vienna Model Bakery, 1040 Vernon Park Ave., soon lets contract 3 story bakery. $150,000. McCormick Co., Century Bldg., Pittsburgh, Pa., archts.

Ill., Shelbyville—City having plans prepared by Fuller & Beard, engrs., Ry. Exch. Bldg., St. Louis, Mo., for power house. $75,000.

Wis., Fond du Lac—Six Wheel Truck Co., Fox Lake, plans 2 or 3 story, 150 x 150 ft., brick and rein.-con. factory, here. $150,000. D. G. Strobel, Mgr., Architect not selected.

Wis., Milwaukee—A. G. Wolff, archt., 453 Mitchell St., opens bids about Dec. 5, 1 story, 60 x 100 ft. garage, brick and concrete, plain foundation, 16th and Cedar Sts., for J. Arrieh, 198 3rd St. $40,000.

Wis., Neenah—Tri City Nash Co., 526 South Commercial St., having plans prepared and takes bids about Dec. 10, 2 story, 55 x 150 ft. garage, brick, rein.-con. and steel, North Commercial St. $60,000. Noted Nov. 17.

Minn., St. Paul—See "Buildings."

Wis., Racine—E. L. M. Tire Co., Deane Blvd., plans 2 story, 148 x 160 ft. concrete addition to factory, plain foundation.

Mo., St. Louis—United Ry. Co., 39th and Park Sts., having plans prepared by A. M. Arhelger, archt., c/o owner, 2 story, 60 x 72 ft. warehouse and 1 story, 80 x 208 ft. repair shop, brick and steel, Bway. and Taylor Ave. $100,000.

Que., Montreal—Bramsons Auto Co., Philips Pl., plans 3 story, rein.-con. garage, Ontario St. $80,000.

Ont., Bridgeburg—Buffalo Specialty Co., 601 Northland Ave., Buffalo, N. Y., plans rein.-con. factory, here. $40,000.

BIDS DESIRED

Mass., Springfield—A. A. Geisel, Pecousic St., taking bids 1 story, 40 x 400 ft. concrete and brick addition to plant, plain foundation. E. C. and G. C. Gardner, 33 Lyman St., archts.

Pa., Conshohocken—Dec. 10, by Rambo-Regga, Norristown, 1 story, 62 x 99 ft. rein.-con., brick and steel factory, plain foundation, Main St., here. $45,000. H. P. Friend, Norristown, archt.

Pa., Phila.—Dec. 10, by Fanning-Schuett Mfg. Co., 502 Ruscomb St., 1 and 2 story, 50 x 120 ft. rein.-con., brick and steel machine shop, plain foundation, 3rd and Cayuga Sts. Private plans.

Pa., Washington—Tyler Pipe & Tube Co., receiving bids 1 story, 20 x 50 ft. and 50 x 50 ft. producer and boiler houses, steel and iron. $50,000. Simplex Eng. Co., Washington Trust Bldg., engrs.

Va., Richmond—Nolde Bros. Inc., 306 North 26th St., receiving bids altering and building 2 story, 59 x 91 ft. brick addition to bakery, at 2510 East Broad St. $60,000. McCormick Co., Century Bldg., Pittsburgh, Pa., archts.

O., Cleveland—Moody & Thomas Milling Co., 6312 Kinsman Rd., taking bids 1 story, 50 x 190 ft., brick and steel warehouse and garage, plain foundation, Park Ave. and East 66th St. $50,000. L. R. Walker, 1907 East 66th St., archt.

O., Cleveland—Stone Impvt. Co., Kirby Bldg., taking bids 1 story, 100 x 150 ft., brick and steel garage and commercial building, plain foundation, East 83rd St. and Carnegie Ave. $50,000. P. Matzinger & Co., Caxton Bldg., archts. Noted Nov. 10.

O., Cleveland—Terrill Bros., 1360 Giel Ave., taking bids 1 story, 49 x 140 ft., brick and steel garage, plain foundation, 14,325 Euclid Ave. $40,000. Private plans.

O., Cleveland—H. B. Townsend, c/o W. J. Mooney, archt., 17430 Woodford Ave., Lakewood, taking bids 1 story, 60 x 100 ft., brick, steel and concrete, plain foundation, Detroit Ave. near Forey Ave., here. $40,000.

Mich., Lansing—Dec. 15, by Bd. Water & Electric Light Comrs., power plant. J. E. Woodwall, 501 5th Ave., New York, consult. engr.; adv. this issue.

Ill., Chicago—H. C. Christensen, archt., 7258 Union Ave., taking bids 125 x 250 ft. ice plant, brick, on Talman Ave. and 12th St. $300,000. Owners name withheld.

Ill., Chicago—P. Gerhardt, archt., 64 West Randolph St., receiving bids 1 story, 103 x 115 ft. factory, rein.-con., brick and steel, 4203-19 West Grand Ave., for Nemo Dye Wks., c/o architect. $250,000. Noted Nov. 3.

Ill., Chicago—Dec. 6, H. J. Westbol, 1559 North Halsted St., 1 story, 140 x 180 ft. garage, brick and steel. $45,000. A. Comm, 3227 West Division St., archt.

Wis., Madison—C. S. Hansen, 902 Jenifer St., receiving bids 1 and 2 story, 66 x 132 ft., brick and rein.-con. garage, Jenifer St. $60,000. Private plans.

Wis., Milwaukee—M. Tullgren & Sons, archts., 425 East Water St., receiving bids 1 story, 60 x 120 ft., brick and concrete garage on Bway., for Alliance Investment Co., 115 Wisconsin St. $40,000. Noted Nov. 17.

Me., Portland—Dec. 2, by W. Underwood Co., 52 Fulton St., Boston, 6 story, 60 x 120 ft. concrete factory, here. Monkes & Johnson, Chauncy St., Boston, engrs.

CONTRACTS AWARDED

Mass., Everett—Malden Electric Co., 1 story, 63 x 66 ft., brick sub-station, Bway. and Oakland St., to Hudson Constr. Co., 6 Beacon St., Boston, $65,000.

Mass., Haverhill—West Realty Co., 2 story, 70 x 181 ft., garage, rein.-con. and brick, plain foundation, Water St., to J. H. Kerr, Rumford, Me., $100,000.

Mass., Springfield—E. T. Doris, 348 Bridge St., 1 story, 75 x 100 ft. rein.-con. and brick garage, plain foundation, Taylor St., to E. Radding Co., 158½ Main St., $45,000.

Mass., South Boston (Boston P. O.)—O'Brien Bros., West 4th St., Boston, 4 story, 50 x 170 ft., mill construction factory, 4th St., here, to Casper Ranger Constr. Co., 201 Devonshire St., Boston, $70,000.

R. I., Providence—C. S. Tanner Co., 250 South Water St., 2 story, 50 x 76 ft. brick and wood addition to factory, plain foundation, South Water and Coin Sts., to Williams & Merchant, Inc., 15 Westminster St., $40,000.

R. I., Providence—E. Rosen Co., 269 Charles St., 2½ story, 50 x 105 ft. rein.-con. and brick plant, plain foundation, Charles St., to C. I. Bigney Constr. Co., 357 Westminster St.

Conn., Bridgeport—Crane Co., South Ave., 1 story, 75 x 175 ft., brick and steel addition to factory, to T. J. Pardy Constr. Co., 1487 Seaview Ave., $70,000. Noted Nov. 17.

N. Y., Buffalo—Natl. Biscuit Co., West 15th St., New York City, brick and concrete plant, plain foundation, along the tracks of New York Central R.R. Belt Line between Fongeron and Urban Sts., here, to Thompson-Satrrett Co., 49 Wall St., New York, $750,000. Noted Feb. 24.

N. Y., Perrysburg—G. C. Andrews, water comr., Municipal Bldg., Buffalo, rein.-con. reservoir, here, to Cresent Concrete Co., Erie Co. Bank Bldg., Buffalo, $23,645. Noted Nov. 17.

N. J., Florence—Florence Pipe Fdry. & Machine Co., 1 story, 60 x 250 ft., rein.-con., brick and steel machine shop, plain foundation, to Austin Co., Bulletin Bldg., Phila., $75,000.

Pa., Ellwood City—Ellwood City Forge Co., 1 story, 98 x 120 ft. addition to factory, to Penn Bridge Co., Beaver Falls.

Pa., Phila.—Phila. Realty Co., c/o P. Eckert, 111 West Mt. Airy Ave., 3 story, 212 x 218 x 306 ft. garage and repair shop, rein.-con., brick and steel, plain foundation, 48th and Woodland Aves., by day labor. $150,000. Harris & Richards, Drexel Bldg., archts.

Pa., Phila.—Roth-Buick Co., Frankford Ave. and Oxford Pike, 1 story, 58 x 87 ft. sales and service building, rein.-con., brick and steel, plain foundation, 4653 Paul St., to G. W. Crossley, 2264 Bridge St., $40,000. Noted Nov. 10.

Pa., Yeadon—Longacre Park Ice Co., c/o S. L. Brumbaugh, 1427 Walnut St., Phila., 1 story, 32 x 32 ft. and 1 story, 32 x 164 ft. garage and repair shop, brick and steel, plain foundation, by day labor. $40,000. J. T. Hoekstra, 1713 Sansom St., Phila., archt.

W. Va., Star City—Star City Glass Co., Bldgs. A1 and A2, each 1 story, 140 x 500 ft., to Pittsburgh Bridge & Iron Co., Bessemer Bldg., Pittsburgh, Pa.; bldg. B, 37 x 160 ft., C, 35 x 100 ft., D, 30 x 15 ft., E, 15 x 18 ft., to Pennsylvania Bridge Co., Beaver Falls, Pa. All to have corrigated steel sidings.

O., Columbus—C. E. Steele, secy. Bd. Directors Ohio State University, 1 story, 100 x 300 ft. addition to power house, on campus, to E. Elford, 307 East Gay St., $162,900. Noted Nov. 24.

O., Lakewood (Cleveland P. O.)—T. L. White-Garage, Clifton Blvd. and Webb Rd., 1 story, 48 x 62 ft., brick and steel garage, plain foundation, 1412 Riverside Rd., to W. Saunderson, 19402 Fraiser Dr., $40,000.

O., Toledo—Jeanning Electric Co., 1 story, 60 x 300 ft., rein.-con., brick and steel factory, plain foundation, to A. Bentley Co., 201-31 Belmont Ave., $40,000.

Ill., Chicago—J. A. Ball Bearing Mfg. Co., 3051 West Lake St., 1 story, 125 x 165 ft. factory, brick and steel, 3305-35 West Harrison St., to A. R. Clark & Co., 80 North Michigan Ave., $85,000.

Ill., Chicago—H. E. Forke, 3261 Fullerton Ave., 1 story, 50 x 125 ft. garage and sales room, rein.-con., brick and steel, on Milwaukee Ave., near Logan Sq., masonry to Arends Bros., c/o W. Gauger, archt., 36 West Randolph St., steel work, the Federal Iron Wks., 3545 Shields Ave., total $40,000.

Ill., Elgin—Elgin Watch Co., 10 South Wabash Ave., Chicago, 4 story, 30 x 374 ft. factory, 3 story, 40 x 432 ft. dormitory, 3 story, 100 x 150 ft. administration building, all rein.-con. and brick, here, to C. E. Gertz, Elgin, $1,000,000. Noted Oct. 27.

Ill., Highland Park—M. Ringdahl, 1 story, 73 x 125 ft. garage, brick and steel, to Posing & Spaeth, 224 Oak St., Waukegan, $48,000.

Ill., Peoria—Leshnick Directory Co., 514 Main St., 2 story, 50 x 150 ft. printing plant, brick, steel and concrete, to R. Iben, 200 North University St., $100,000. Noted Nov. 3.

Wis., Burlington—J. A. Luke, 1 story, 68 x 132 ft. garage, concrete, plain foundation, by day labor. $40,000. M. F. White, 68 Wisconsin St., Milwaukee, engr. Noted Nov. 24.

Industrial Works (Continued)

Wis., Milwaukee — Pritzloff Hardware Co., 51 West Water St., 1 story, 80 x 150 ft. pipe storage building, brick and mill construction, plain foundation, 2nd St., to Klug & Smith, 69 Wisconsin St. $40,000.

Wis., Milwaukee—Wadhams Oil Co., 359 Clinton St., 1 story refinery, incl. 85 x 100 ft. tank house, 100 x 150 ft. barrel house, 30 x 30 ft. gasoline filling house, etc., brick and wood, plain foundation, Burnham St., to C. B. Danielson, 638 Mineral St., $75,000.

Wis., Sparta—Atkinson Nash Co., 2 story, 50 x 88 ft. garage, brick, rein.-con. and steel, Main St., to J. Teasdale, Main St., $50,000.

Ia., Malvern—A. Hall, 1 story, 40 x 60 ft. garage, brick, steel and concrete, to E. McCormick, Malvern, $40,000.

Neb., Omaha—Bergman & Henkens, 2 story, 60 x 60 ft., brick and steel foundry, 11th and Grace Sts., to P. Kiewits & Sons, 754 Omaha Natl. Bldg., $40,000.

Mo., Sedalia—Missouri Pacific R.R., Ry. Exch. Bldg., St. Louis, 1 story, 65 x 150 ft., brick and steel car shop, here, to E. J. Hadley, Sedalia, $43,000.

Mo., Sedalia—Missouri Pacific R.R., Ry. Exch. Bldg., St. Louis, 1 story, 65 x 150 ft., brick and steel car shop, here, to E. J. Hadley, Sedalia, $43,000.

Mo., St. Louis—Missouri Pacific R.R., Ry. Exch. Bldg., 1 story, 46 x 500 ft., brick and steel car repair shop, to J. F. Nelson & Sons, Arcade Bldg., $125,000. Noted Nov. 10

Okla., Dewey—Dewey Portland Cement Co., Mutual Bldg., Kansas City, Mo., cement plant, 4 concrete storage tanks, 20,000 bbl. capacity, to MacDonald Eng. Co., 53 West Jackson Blvd., Chicago, $60,000.

Cal., Los Angeles—Kittle Mfg. Co., 643 Santa Fe Ave., 1 story, 140 x 160 ft., brick and steel factory, to Austin Co., Pacific Electric Bldg., $40,000.

Buildings

PROPOSED WORK

Mass., Andover—Office—Amer. Woolen Co., Lawrence, having plans prepared by Adden & Parker, archts., 12 Bosworth St., Boston, 3 story, 135 x 200 ft. rein.-con. and brick, Haverhill St., here.

Mass., Brighton (Boston P. O.)—School—Schoolhouse Dept. of Boston, having plans prepared by Richardson, Barott & Richardson, archts., 8 Beacon St., Boston, 2 story addition to Bennett School, Union St., here. $175,000.

Mass., Roxbury (Boston P. O.)—School—Schoolhouse Dept. of Boston, having plans prepared by Newhall & Blevins, archts., 9 Park St., Boston, 2 story addition to William Lloyd Garrison School, Hutchings St., here. $150,000.

Conn., New Britain—Club and Community—World War Veterans, Main St., had plans prepared by H. F. Ludorf, archt., Mutual Bldg., 4 story, 60 x 150 ft. rein.-con. and brick, North St. $250,000.

Conn., Waterbury—Clubhouse—Knights of Columbus Bldg. Assn. of Sheridan Council, having plans prepared by L. A. Walsh, archt., 51 Leavenworth St., 3 story, concrete, brick and steel, Prospect St. $300,000.

N. Y., Batavia—Office and Theatre—Community Theatre Co. soon takes bids 3 story, 86 x 212 ft., brick and white terra cotta, East Main St. $200,000. H. L. Spann, 52 Chippewa St., Buffalo, archt.

N. Y., Jamestown—Theatre—Mozart Amusement Co., 313 North Main St., soon lets contract 1 story, 88 x 125 ft., fireproof construction, 3rd and Spring St., on percentage basis. $200,000. Excavation contract awarded. E. A. Phillips, Warren Trust Bldg., Warren, Pa., archt.

N. Y., New York—Apartment—M. Bagdanoff, 2038 Ryder Ave., had plans prepared by C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, brick, steel and stone, plain foundation, Bainbridge Ave. near 196th St. $175,000.

N. Y., New York—Apartment—S. Gittenberg, 713 East 136th St., having plans prepared by C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, brick, steel and stone, plain foundation, Grand Concourse and 173rd St. $325,000.

N. Y., New York—Memorial—Knights of Columbus, c/o G. McCabe, archt. and engr., 96 5th Ave., takes bids about Dec. 15, 4

WATERWORKS IMPROVEMENTS—PARSONS, KAN.

Bids were received Nov. 8 (lowest 3) by City, for (1) removing present c.i. force line and constructing new supply line from Neodesha River, from (A) F. M. Sheflow, Elgin, Ill. (awarded contract); (B) C. H. Everett Co., Hutchinson; (C) Merkle Machinery Co., 1733 Walnut St., Kansas City, Mo.; (2) furnishing c.i. pipe, (A) Amer. Cast Iron Pipe Co., Scarritt Bldg., Kansas City, Mo.; (B) U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill. The unit bids were as follows:

	A	B	C
8,685 lin.ft. hauling, trenching, laying and back-filling 16-in. c.-i. pipe-lead joints	$0.85	$1.02	$0.91
8,550 lin.ft. hauling, laying in open trench, backfilling 16-in. c.-i. pipe-lead joints	.80	.97	.67
8,685 lin.ft. hauling, trenching, laying and backfilling 16-in. M.J. steel pipe, lead joints	.75	.87	.71
8,550 lin.ft. hauling, laying in open trench, backfilling 16-in. M.J. steel pipe-lead joints	.70	.82	.46
9,030 lin.ft. trenching, disjointing, hauling and distributing to city 12-in. c.-i. pipe	.35	.50	.63
10,050 lin.ft. trenching, disjointing, hauling and distributing to city 10-in. c.-i. pipe	.30	.45	.56
7,050 lin.ft. trenching, disjointing, hauling and distributing to city 8-in. c.-i. pipe	.28	.40	.51
25 lin.ft. hauling, trenching, laying and backfilling 4-in. c.-i. blow-off line	.50	1.00	.50
70 cu.yd. solid rock excavation in trench (extra over earth excavation)	6.00	4.50	6.50
1 cu.yd. class "B" concrete in place	15.00	15.00	20.00
6 brick M.H. for air valves	43.00	50.00	50.00
17,600 lin.ft. hauling, trenching, laying and backfilling 20-in. class "A" c.-i. pipe-lead joints	.92	.95	.82
17,600 lin.ft. hauling, trenching, laying and backfilling 20-in. class "A" c.-i. pipe—Metalium joints	.82	.88	.79
17,600 lin.ft. hauling, trenching, laying and backfilling 20-in. M.J. steel pipe, lead joints	.80	.80	.68
17,600 lin.ft. hauling, trenching, laying and backfilling 20-in. M.J. steel pipe—Metalium joints	.72	.73	.65
7,600 lin.ft. trenching and backfilling 20-ft. concrete pressure pipe	.30	.30	.32
Rock excavation in trench (extra over earth excavation)	6.00	4.50	6.50
15 cu.yd. class "B" concrete, in place	15.00	5.00	18.00
21,000 lin.ft. hauling, trenching, laying and backfilling 4-in. c.-i. pipe, 12 ft. lengths, lead joints (6,400)	.37	.29	.38
5,675 lin.ft. hauling, trenching, laying and backfilling 6-in. c.-i. pipe, 12 ft. lengths, lead joints (5,075)	.41	.32	.41
925 lin.ft. hauling, trenching, laying and backfilling 8-in. c.-i. pipe 12-ft. lengths, lead joints	.45	.40	.455
400 lin.ft. hauling, trenching, laying and backfilling, 10-in. c.-i. pipe, 12-ft. lengths, lead joints	.51	.44	.52
100 lin.ft. hauling, trenching, laying and backfilling 12-in. c.-i. pipe, 12-ft. lengths, lead joints	.56	.48	.55
21,000 lin.ft. hauling, trenching, laying and backfilling 4-in. c.-i. pipe, 16-ft. lengths, lead joints (14,600)	.33	.27	.38
5,675 lin.ft. hauling, trenching, laying and backfilling 6-in. c.-i. pipe, 16-ft. lengths, lead joints (600)	.37	.30	.41
7,050 lin.ft. trenching, laying and backfilling 8-in. c.-i. pipe, 12-ft. lengths (no hauling), lead joints	.42	.36	.43
10,000 lin.ft. trenching, laying and backfilling, 10-in. c.-i. pipe, 12-ft. lengths (no hauling), lead joints	.47	.39	
8,700 lin.ft. trenching, laying and backfilling, 12-in. c.-i. pipe, 12-ft. lengths (no hauling), lead joints	.50	.44	.50 .52
21,000 lin.ft. hauling, trenching, laying and backfilling 4-in. c.-i. pipe, 12-ft. lengths, Metalium joints	.36	.28	.....
5,675 lin.ft. hauling, trenching, laying and backfilling 6-in. c.-i. pipe, 12-ft. lengths, Metalium joints	.38	.30	.....
925 lin.ft. hauling, trenching, laying and backfilling 8-in. c.-i. pipe, 12 ft. lengths, Metalium joints	.41	.38	.....
400 lin.ft. hauling, trenching, laying and backfilling 10-in. c.-i. pipe, 12-ft. lengths, Metalium joints	.47	.42	.....
200 lin.ft. hauling, trenching, laying and backfilling, 12-in. c.-i. pipe, 12-ft. lengths, Metalium joints	.51	.46	.....
21,000 lin.ft. hauling, trenching, laying and backfilling, 4-in. c.-i. pipe, 16-ft. lengths, Metalium joints	.32	.26	.....
5,675 lin.ft. hauling, trenching, laying and backfilling, c.-i. pipe, 16-ft. lengths, Metalium joints	.35	.29	.....
7,050 lin.ft trenching, laying and backfilling 8-in. c.-i. pipe, 12-ft. lengths (no haul), Metalium joints	.38	.34	.....
10,000 lin.ft. trenching, laying and backfilling 10-in. c.-i. pipe, 12-ft. lengths (no haul), Metalium joints	.43	.37	.....
8,700 lin.ft. trenching, laying and backfilling, 12-in. c.-i. pipe, 12-ft. lengths (no haul), Metalium joints	.45	.42	.....
4,930 lin.ft. taking up, disjointing 4-in. c.-i. pipe (no trenching)	.11	.15	.20
4,075 lin.ft. taking up, disjointing 6-in. c.-i. pipe (no trenching)	.12	.20	.22
920 lin.ft. taking up, disjointing 8-in. c.-i. pipe (no trenching)	.13	.24	.30
23 lin.ft. hauling and setting fire hydrants	7.00	9.00	10.00
6 hauling and setting 2-in. gate valves with boxes	2.50	4.00	1.25
56 hauling and setting 4-in. gate valves with boxes	3.00	4.00	1.25
16 hauling and setting 6-in. gate valves with boxes	4.00	5.00	2.00
12 hauling and setting 8-in. gate valves with boxes	5.00	6.00	2.50
6 hauling and setting 10-in. gate valves with boxes	6.50	7.00	3.00
4 hauling and setting 12-in. gate valves with boxes	8.00	8.00	4.00
300 sq.yd. cutting and replacing brick paving	5.00	6.50	5.00
550 sq.yd. cutting and replacing asphalt paving	6.00	7.50	5.00
79 making wet connections as specified	10.00	15.00	20.00
895 cu.yd. for rock excavation in trenches (extra over earth excavation)	6.00	4.50	5.50
Extended totals using c.-i. pipe and lead joints	$74,838	$79,090	$80,854
391.77 tons furnishing 16-in. class "A" B. & S. c.-i. pipe in 12-ft. lengths		$49.00	$49.90
625.00 tons furnishing 16-in. class "B" B. & S. c.-i. pipe in 12-ft. lengths		46.00	46.90
4,000 lb. furnishing bell end c.-i. fittings, ton		113.20	0.0565
1,320.00 tons furnishing 20-in. class "A" B. and S. c.-i. pipe in 12-ft. lengths		49.00	49.90
5,500 lb. furnishing bell end c.-i. fittings, ton		113.20	0.0565
159.0 tons furnishing 4-in. class "B" B. & S. c.-i. pipe in 12-ft. lengths		50.00	49.90
155.3 tons furnishing 4-in. class "B" B. & S. c.-i. pipe in 16-ft. lengths		51.00	.....
53.3 tons furnishing 6-in. and larger, class "B" B. & S. c.-i. pipe in 12-ft. lengths		46.00	46.90
52.1 tons furnishing 6-in. and larger, class "B" B. & S. c.-i. pipe in 16-ft. lengths		47.00	47.90
9,000 lb. furnishing 4-in. Bell end c.-i. fittings		123.20	0.0615
50,000 lb. furnishing 6-in. and larger end, c.-i. fittings		123.20	0.0565
Extended totals		$127,201	$129,079

Buildings (Continued)

story, brick, steel and stone, plain foundation, Ave. C and East 30th St. $150,000. Noted Nov. 3.

N. Y., New York—Theatre and Stores—Ninth Ave. Amusement Co., c/o G. Keister, archt. and engr., 56 West 45th St., having plans prepared 85 x 150 ft., brick, steel and stone, plain foundation, 9th Ave. and 55th St. $250,000. M. Pear, pres.

N. Y., Plattsburg — Bank — Merchants Natl. Bank having plans prepared by H. J. Cook, archt., Dun Bldg., Buffalo, fireproof construction. $200,000.

N. J., Elizabeth—School—St. Mary's Parish having plans prepared by J. C. Rowland, Jr., archt., 100 Sip Ave., Jersey City, for school. $150,000.

N. J., Ocean City—Apartment—Hanscom Bros., c/o E. A. Hanscom, 734 Market St., Phila., plan 4 story, 80 x 165 ft., cut stone and brick, 7th St. and Boardwalk, here. $150,000. Architect not selected.

Pa., Altoona—Cathedral—Cathedral of Blessed Sacrament plans 120 x 200 ft. stone, 14th Ave. and 13th St. $1,000,000. J. T. Comes, Renshaw Bldg., Pittsburgh, archt.

Pa., Aspinwall (Pittsburgh P. O.)—Auditorium, etc.—Shadyside Academy, Ellsworth and Morewood Aves., Pittsburgh, soon takes bids for auditorium, gymnasium, dining hall and power plant. E. P. Mellon, 52 Vanderbilt Ave., New York, archt.

Pa., Erie—Court House—Erie Co., having plans prepared by W. Frank, archt., for addition to court house. $500,000.

Pa., Juniata (Altoona P. O.)—Church—First Methodist Church, 6th Ave. and 6th St., plans 2 story, 120 x 150 ft. brick, 8th Ave. and 4th St. $150,000. Architect not selected.

Pa., McKeesport—High School—Bd. Educ. plans addition. $300,000. Architect not selected.

Pa., Phila. — Apartment — Acme Realty Co., c/o R. R. Cooper, 1330 Lombard St., takes bids early in 1922, 4 story, 50 x 129 ft. brick and steel, plain foundation, 1732-36 Christian St. $150,000. C. H. Wilson, 2028 West Berks St., archt.

Pa., Phila.—Library—Comn. of Fairmount Park, c/o T. S. Martin, City Hall, had plans prepared by H. Trumbauer, archt., Land Title Bldg., and takes bids early in January for 2 story, 213 x 313 ft., brick and stone, on Parkway. $3,000,000.

Pa., Phila.—Store, Market, etc.—Logan Market House Co., c/o R. R. Meely, archt., 2136 Pine St., having preliminary plans prepared and takes bids early in 1922, 3 story, 50 x 100 ft. and 1 story, 100 x 200 ft. store, market and refrigerating plant, rein.-con., brick and steel, plain foundation, Logan Dist. $500,000.

Pa., Pittsburgh — Stadium — Carnegie Institute of Technology, Schenley Park, plans athletic stadium, on campus. $300,000. Architect not selected.

Pa., Uniontown—Store—Aaron Co., Main St., Connellsville, having revised plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 8 story, 35 x 76 ft., Main and Gallatin Aves. $400,000. H. W. Altman, Uniontown, associated archt.

Pa., Warren—Church—First Methodist Episcopal Church, 3rd Ave., plans church on 2nd Ave. $200,000.

Pa., Wilkinsburg—Exchange—Bell Telephone Co., 13th and Arch Sts., Phila., having preliminary plans prepared and takes bids early in 1922, 3 story, 50 x 120 ft. stone, brick and terra cotta, plain foundation. $175,000. J. T. Windrim, Commonwealth Bldg., Phila., archt.

Md., Cumberland—Hotel—G. Washington Hotel Co., 12 South Centre St., having plans prepared by Esenwein & Johnson, archts., Ellicott Sq. Bldg., Buffalo, N. Y., 7 story, 100 x 175 ft., fireproof construction. $900,000.

D. C., Wash.—Hotel—F. H. Smith Co., 815 15th St., N. W., having plans prepared by J. H. De Sibour, archt., Hibbs Bldg., for hotel, 15th and K Sts., N. W. $500,000.

W. Va., Wheeling—Hotel—Tri-State Security Co., 1129 Market St., having preliminary plans prepared by H. E. Shimmin, archt., 2031 Euclid Ave., Cleveland, O., 14 story, 68 x 125 ft., steel, 14th and Market Sts. $1,000,000.

Fla., Cocoa—Hotel—Weidensee & Alexander, and R. W. Powers plan 4 or 5 story, 100 x 110 ft., rein.-con. and steel. $500,000.

Fla., Gainesville—Schools—Alachu Co. School Bd. plans 2 brick schools. $150,000. E. R. Simmons, co. supt. pub. institutions

Fla., Tampa—Courthouse—Hillsborough Co. plans rein.-con., brick and steel. $700,000. C. T. Friend, 210 Curry Bldg., chn. co. comn.

Tenn., Chattanooga—Auditorium—City plans brick and stone, McCallie Ave. R. H. Hunt, James Bldg., archt.

Tenn., Chattanooga—School—Plans 3 story, brick, at Highland Park. $220,000. R. H. Hunt, James Bldg., archt.

Tenn., Memphis—College—Southwestern University, (Presbyterian), Clarksville, having plans prepared by H. C. Hibbs, archt., 412 4th and 1st Natl. Bank Bldg., Nashville, for college, incl. dormitory, academic halls and heating plant, here. $1,000,000.

Ky., Lexington—School—Bd. Educ., McClelland Bldg., takes bids about Jan. 1, 2 story, brick. $200,000. Frankel-Curtis Co., Ben Ali Theatre Bldg., archts.

Ky., Lexington—Theatre and Office—M. Switow, 1359 South 2nd St., Louisville, and W. James, 39-51 West Broad St., Columbus, O., had plans prepared and soon takes bids 3 story, 65 x 200 ft., rein.-con., stone and brick, East Main St. $250,000. Taking bids on excavation. Joseph & Joseph, Francis Bldg., Louisville, archts.

Ky., Louisville—Club—Joseph & Joseph, archts., Francis Bldg., soon takes bids 6 or 8 story, 140 x 180 ft., rein.-con., steel and brick, concrete pile foundation, 3rd and Chestnut Sts., for Louisville B. P. O. E., 310 West Walnut St. $500,000.

Ky., Louisville—Home—Grand Lodge of Kentucky, Masonic Temple, Flexner Bldg., having plans prepared by Joseph & Joseph, archts., Francis Bldg., 15 or 20 buildings, 2 story each, rein.-con., brick and stone, stone and concrete pile foundation. $1,500,000.

Ky., Louisville—Schools—Voted $1,000,000 bonds for schools. A. Peter, Commercial Bldg., chn. Bd. Educ. Money for issue will not be available until April, 1922.

O., Akron—Hospital—Summit Co. sold $250,000 bonds to build hospital, Merriman Rd. Total, $1,000,000.

O., Cleveland—Church—Trinity Evangelical Church, Scranton Rd. near Aiken Rd., having plans prepared by A. E. Skeel, archt., 4500 Euclid Ave., 1 story, brick, steel and stone, plain foundation. $150,000.

O., Cleveland — Commercial — Ninth Garage Bldg. Co., East 6th St. and St. Clair Ave., having plans prepared by G. A. Grieble, archt., 9th Garage Bldg., 4 story, 150 x 300 ft., brick, steel and stone addition, plain foundation. $300,000.

O., Cleveland—Store—Halle Bros. Co., c/o S. H. Halle, pres., Euclid Ave., plans brick, steel and concrete addition, plain foundation, 1031 Huron Rd. $400,000. Architects name withheld.

O., Columbus—University—C. E. Steele, secy. Bd. Directors Ohio State University, rejected bids 4 story, 40 x 150 ft. girls dormitory (Mack Hall). Work will be readvertised. Noted Nov. 24.

O., Dayton—City Hall and Municipal—Plans 10 story, 80 x 250 ft., rein.-con. and brick, Main St. $950,000. F. O. Eichelberger, city mgr. Architect not selected.

O., Dayton—Office—L. G. Cooper, 301 East 1st St., plans 6 story, 60 x 100 ft., rein.-con. and brick, 1st and Main Sts. $500,000. Architect not selected.

O., Middletown — High School—M. E. Danford, pres. Bd. Educ. opens bids about Dec. 15 or 20, 2 story, brick and concrete. $500,000. T. D. McLaughlin, 610 Savings Bldg., Lima, archt. Noted Dec. 9.

O., Ridgeville (North Ridgeville, P. O.)—School—Bd. Educ. having plans prepared by Fulton-Taylor Cahill, archts., 8120 Euclid Ave., Cleveland, 2 story, rein.-con., brick and steel, plain foundation. $150,000.

O., Tiffin—Lodge and Office—Knights of Pythias plan 5 story, downtown section. $250,000.

O., Youngstown — Office — Terminal Building Co. plans 6 story addition, Philps St., upon completion of present 6 story building, Phelps St. and along tracks Erie R.R. $500,000.

Ill., Chicago — Apartment — R. Edelson and H. Paullin, 11 South La Salle St., plan 4 story, 125 x 200 ft., rein.-con., brick and stone, on Bway. and Oakdale Ave. $300,000. Architect not selected.

Ill., Chicago—Nurses Home—Michael Reese Hospital, 29th St. and Ellis Ave., plans 7 story, 100 x 150 ft. $750,000. M. E. Greenbaum, dir. Architect not selected.

Ill., Joliet—Sanitarium—Comrs. Will Co. plan 3 story rein.-con. and brick. $150,000. E. Young, clk. Architect not selected.

Ill., Oak Park—Apartment—O. R. Prohaska, c/o Minchin Spitz & Co., archts., 19 West Jackson Blvd., Chicago, having plans prepared for rein.-con., brick and stone, here. $175,000.

Ill., Rock Island—High School—Bd. Educ. plans high school, brick, stone and steel $200,000. J. L. Vernon, pres. Architect not selected.

Wis., Bloomington—School—Bd. Educ., c/o A. C. Bishop, secy., plans 2 story 75 x 190 ft., brick and rein.-con. $150,000. Architect not selected.

Wis., Delavan—High School—Bd. Educ. c/o B. Z. See, clk., having plans prepared by E. Tough, archt., 24 East Mifflin St., Madison, 2 story, 72 x 131 ft. brick, rein.-con. and stone. $150,000.

Wis., Madison—Church and Chapel—St. Paul University Chapel, c/o H. Hengel, 723 State St., plans 1 or 2 story, 60 x 150 ft., rein.-con., brick and stone, State St. $150,000. Architect not selected.

Wis., Madison—Union—University of Wisconsin Memorial Assn., c/o A. H. Goodnight, having plans prepared by A. Peabody, archt., Capitol Bldg., 2 story, 248 x 336 ft., brick, rein.-con. and stone, Langdon St. $1,000,000.

Wis., Milwaukee—Gymnasium—Kenwood Methodist Episcopal congregation, 757 Racine St., having sketches made 1 story, 50 x 80 ft. brick and steel, plain foundation, to form 1st unit of church on Kenwood St. $150,000. S. Anderson, reverend.

Wis., Milwaukee—Temple—R. Messmer & Bro., archts., 221 Grand Ave., soon let contract, 1 and 2 story, 100 x 245 ft., rein.-con., brick and stone, plain foundation, Kenwood Blvd., for Temple Emanu-El. $350,000.

Wis., Milwaukee — Temple — Wisconsin Consistory, c/o W. N. Perry, Van Buren and Oneida Sts., plans brick and concrete, plain foundation. $500,000. Architect not selected.

Ia., Dubuque—School—Bd. Educ., c/o L. Palen, secy., Business & Insurance Bldg., having plans prepared by J. Royer, archt., Flat Iron Bldg., Urbana, Ill., for Jackson School, 2 story, rein.-con., brick and stone. $200,000. Noted Nov. 24.

Minn., St. Paul—Office, etc.—R. C. Cobb Co., 2 East 3rd St., having plans prepared by A. H. Stem, archt., 601 Endicott Bldg., 6 or 7 story, 70 x 120 x 140 ft. office and warehouse, rein.-con., brick, tile and stone. $350,000.

Kan., Independence — High School — Bd. Educ. making plans 3 story, 150 x 200 ft., brick, stone and rein.-con. $600,000. N. S. Spencer & Son, 39 West Van Buren St., Chicago, archts.

Neb., Scottsburg — High School — Bd. Educ. having plans prepared by R. A. Bradley & Co., archts., Hastings, rein.-con., brick, stone and steel. $500,000.

N. D., Fargo — Home — North Dakota Children's Home Society having plans prepared by Toltz, King & Day, archts., 1410 Pioneer Bldg., St. Paul, Minn., 2 story, 48 x 175 ft., rein.-con., brick and steel, 13th St. and 13th Ave., S. $150,000. F. Hall, supt.

Mo., St. Louis—Theatre—Orpheum Circuit Consolidated, Palace Theatre Bldg., New York, having plans prepared by C. W. and G. L. Rapp, archts., 190 North State St., Chicago, for Mississippi Theatre, 2 story, 140 x 190 ft., brick and terra cotta, here. $1,500,000. M. Beck, pres.

Mo., Union — Court House and Jail—Franklin Co. having plans prepared by N. B. Howard archt., Arcade Bldg., St. Louis, 3 story, 90 x 90 ft., rein.-con., brick and stone. $150,000.

Tex., Amarilo — High School — Voted $220,000 bonds new high school and ward building. L. D. Marrs, mayor.

Okla., Oklahoma City—Hospital—Voted $250,000 bonds for hospital. B. M. Hart, city engr.

Col., Denver—Store—L. R. Steel Service Corp., 406 Guardian Trust Bldg., takes bids about Jan. 1, 4 story (ultimately 8 story), 100 x 125 ft. rein.-con., steel and terra cotta, 16 and Welton Sts. $350,000-$400,000. W. H. Hoyt, Colorado Natl. Bank Bldg., archt.

Wash., Seattle—Office—R. C. Semple, engr., New York Blk., takes bids about Jan. 1, 120 x 120 ft., steel, in business district. $1,500,000. Owners name withheld.

Buildings (Continued)

Cal., Tustin—High School—Tustin High School Dist. having plans prepared by M. Marston, archt., 535 I. W. Hellman Bldg., Los Angeles, for high school. $250,000.

Ont., St. Thomas—School—Election in January to vote on $300,000 for technical school. Address A. P. Conley, St. Thomas, member of Bd. Educ.

BIDS DESIRED

Mass., Haverhill—Theatre, Office, etc.—Blackall, Clapp & Whittemore, archts., 20 Beacon St., Boston, taking bids 3 story, concrete, brick and steel, Main St., here, for E. Brodie, 94 Bway. $200,000. Noted July 21.

Conn., New Britain—Temple—M. J. Unkelbach, archt., 162 Main St., taking bids 7 story, 107 x 210 ft., concrete, brick and steel, West Main St., for Masonic Order, Elton Pl. $750,000. Noted Dec. 23.

N. Y., Brooklyn—School—Dec. 7, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., New York, P. S. 187, 12th Ave. between 64th and 65th Sts. Noted Sept. 1.

N. Y., Far Rockaway—Apartment and Hotel—Natl. Housing & Land Development Co., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., New York, 400 x 412 ft., brick, steel and stone, plain foundation, Bway. and Oak St., here. $800,000. Work will be done by separate contracts under supervision of architects. Noted Nov. 10.

N. Y., New York—School—Dec. 7, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., altering and additions to P. S. 41, Olinville Ave. and Magenta St. Noted Sept. 1.

Pa., Aspinwall (Pittsburgh P. O.)—School and Dormitory—Dec. 12, by E. P. Mellon, archt., 52 Vanderbilt Ave., New York, 2 story school, and two 2 story dormitories, for Shadyside Academy, Ellsworth and Morewood Aves., Pittsburgh.

Pa., Pittsburgh — Apartment — Manoa Realty Co., 8 story, 91 x 160 ft., brick, steel and stone, plain foundation, Ruskin Ave. $1,000,000. Work will be done by separate contracts. H. L. Stevens, 522 5th Ave., New York, archt.

Pa., Plymouth—School—Dec. 15, by E. G. Perrot, archt., Boyertown Bldg., Phila., 3 story, 62 x 113 ft. brick and stone, plain foundation, for St. Vincent Roman Catholic Church, here. $175,000.

Md., Baltimore—Service—Dec. 3, by Church Home and Infirmary, North Bway., 6 story, 86 x 126 ft. addition, brick, steel and stone. $500,000. Wyatt & Nolting, Keyser Bldg., archts. Noted July 21.

W. Va., Bluefield—Hotel—Matz Hotel, 3 story, 50 x 125 ft., brick and steel addition. $150,000. Work will be done by separate contracts. Private plans.

O., North Robinson—School—Dec. 12, by Bd. Educ. 2 story, 100 x 124 ft., brick, steel and concrete, plain foundation. $225,000. W. Unger, Bucyrus, archt.

Ill., Chicago—Office, etc.—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 2 story, 100 x 132 ft., ordinary construction, terra cotta front for D. Schetnitz, c/o architect. $175,000.

Ill., Chicago—Station—Dec. 6, by Northwestern Elevated R.R., 72 West Adams St., brick and steel, on Wilson St. and Bway. $150,000. I. Budd, pres. A. W. Gerber, c/o owner, archt.

Ill., Delavan—High School—Dec. 15, by Bd. Educ., 2 story, rein.-con., brick and stone, and 88 x 141 ft. power house, 90 ft. stack. $150,000. W. Curtis, pres. Deal & Ginzel, I.O.O.F. Bldg., Lincoln, archts. Noted Nov. 17.

Ill., Evanston—Temple, etc.—B. H. Hunter, 1920 Asbury Ave., representing owner (Mt. Moriah Lodge 28) taking bids 3 story, 75 x 262 ft., brick. Ridge and Emerson Sts. $150,000.

Minn., St. Paul—School—Dec. 10, H. W. Austin, city purch. agt., 4 story, 73 x 125 ft. rein.-con., brick, stone and tile, 14th and Jackson Sts. $185,000. C. A. Hausler, City Hall, archt.

BIDS RECEIVED

Mass., Boston—Hospital—City Hospital received bids altering present building and construction 2 story, 43 x 150 ft. and 43 x 107 ft. top addition, also two 6 story, 28 x 43 ft. and 40 x 43 ft. annexes, from Evatt Constr. Co., 161 Devonshire St., $486,000; J. Bowen Co., 184 Dudley St., $513,000; McDonald & Imhoff, Dudley St., $519,000. Noted Nov. 10.

Minn., South St. Paul—High School—Bd. Educ. 3 story, rein.-con., brick, tile and stone, from Kvitrud & Madsen, 646 Builders Exch. Bldg., Minneapolis, $154,000; O. Olson, South St. Paul, $169,000.

CONTRACTS AWARDED

Mass., Boston—Municipal—Bldg. Dept., 3 story, 40 x 230 ft., brick and steel, Commercial St., to M. Seretto, 3 Tremont Row, $186,000. Noted Nov. 24.

Mass., Boston—Office—Lumber Mutual Fire Insurance Co., 141 Milk St., 3 story, 55 x 125 ft. rein.-con., brick and steel, plain foundation, Beacon St., to W. A. and H. A. Root, 1 Beacon St., $150,000.

Mass., Fall River—Hospital—City Hospital Comn., 2 story, concrete, brick and steel, plain foundation, Bedford St., to A. McDougall, 859 Robeson St., $700,000.

Mass., Newton—High School—Bldg. Dept., 3 story, 57 x 241 ft., with 61 x 70 ft. ell, brick, Walnut St., to M. Ryan, 34 Fayette St., Cambridge, $213,456. Noted Nov. 17.

Conn., Lakeville—Dormitory—C. Gilbert, archt., 244 Madison Ave., New York, 4 story, 41 x 126 ft., rein.-con. and brick, to Whidden-Beekman Co., 100 Boylston St., Boston, Mass., for Hotchkiss School. $175,000. Noted Nov. 3.

Conn., Meriden—Church—St. Rose Roman Catholic Church, 35 Center St., 2 story, 65 x 125 ft., brick, steel and concrete, plain foundation, Center St., to H. Wales-Lines Co., 134 State St. Noted Oct. 27.

N. Y., New York—Apartment—Alcas Realty Corp., c/o G. Nordham, archt. and engr., 18 West 34th St., 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, Vyse Ave., by day labor. $180,000.

N. Y., New York—Apartments—A. Blumenthal, c/o D. S. Lang, archt. and engr., 110 West 34th St., two 5 story, brick, steel and stone, plain foundations, Valentine Ave., by day labor. $175,000 each.

N. Y., New York—Apartment—I. Pike, c/o J. M. Felson, archt. and engr., 1133 Bway., 5 story, brick, steel and stone, plain foundation, Hull Ave., by day labor. $150,000.

N. Y., New York—Apartment—Polecrans Bldg. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 90 x 100 ft., brick, steel and stone, plain foundation, Harrison Ave. near 180th St., by day labor. $165,000.

N. Y., New York—Club and Recreation—Intercollegiate Cosmopolitan Club of Y. M. C. A., 12 story, brick, steel and stone, plain foundation, Claremont Ave. near 124th St., to M. Eidlitz, 33 East 42nd St., $1,500,000.

N. J., Jersey City—Exchange—New York Telephone Co., 15 Dey St., New York, 3 story, brick, steel and stone side addition, plain foundation, Erie St., here, to W. A. L'Hommedieu & Co., 1 Madison Ave., New York. $150,000.

Pa., Mahanoy City—Bank—Union Natl. Bank, general contract for 1 story, 25 x 125 ft. rein.-con., brick and steel, plain foundation, Main and Center Sts., to Shamokin Lumber Co., 34 South 6th St., Shamokin, $92,000. Total $150,000. Noted Sept. 15.

Pa., Phila.—Apartment—A. Sonefeld, 707 Walnut St., will build 4 story, 105 x 250 ft. concrete, brick, stone and tile, 47th and Walnut Sts., by day labor. $250,000. F. E. Hahn, 1112 Chestnut St., archt. Noted Sept. 8.

Pa., Reading—High School—Bd. School Directors, 3 story, 177 x 226 ft. rein.-con., brick and steel, plain foundation, 13th and Marion Sts., to M. Melody & Son, 1322 Race St., Phila., $240,000. Noted Nov. 10.

O., Cleveland—Commercial and Apartment—L. Cahn, 10615 Grantwood Ave., 3 story, 69 x 85 ft., brick and timber, plain foundation, Cedar and Edgehill Rds., to J. Kutnick, 5802 Longfellow Ave., $150,000.

O., Cleveland—Commercial and Temple—Carter, Richards-Griffith Co., archts., Illuminating Bldg., 3 story, 35 x 62 ft. and 67 x 120 ft., brick, steel and concrete, plain foundation, East 106th St. and St. Clair Ave., to J. Grant & Son, 4500 Euclid Ave., for Glenville Masonic Temple Co., c/o G. E. Andres, 676 Eddy Rd. $150,000. Noted June 16.

O., Columbus—University—C. E. Steele, secy. Bd. Directors Ohio State University, additions to Brown Hall and physics building to E. Elford, 307 East Gay St., $84,370 and $67,884 respectively. Noted Nov. 24.

O., Lorain—School—Church of Nativity of Blessed Virgin Mary, 3 story, 66 x 90 ft., brick, steel and concrete, plain foundation, to L. A. Burgett & Co., Lorain, $150,000. Noted Oct. 27.

O., Marion—Hospital—Marion City Hospital altering and building 2 story, brick, steel and concrete addition, plain foundation, to J. Baldorf & Son, Marion, $150,000. Noted Aug. 4.

Ind., New Albany—Home—New Albany B. P. O. E., general contract for 2 story, 100 x 150 ft., stone and brick, to Platoff & Bush, 120 Liberty St., Louisville, Ky., $165,000.

Ill., Champaign—Church—Holy Cross Catholic Church, 1 story, 88 x 125 ft., brick, steel and stone, to English Bros., 419 Lincoln Bldg., $200,000. Noted March 10.

Ill., Chicago — Apartment—J. J. Fairweather, 108 South La Salle St., 3 story, 100 x 100 ft., brick, fireproof construction, to Olson Bros., 6200 Evans Ave., $150,000.

Ill., Chicago—Apartment—F. J. Mullman, c/o P. F. Olson, archt., 127 North Dearborn St., 3 story, 100 x 173 ft., rein.-con., brick and stone, 1306-66 Greenleaf Ave., to J. Anderson & Son, 5723 Winthrop Ave., $200,000. Noted Nov. 3.

Ill., Chicago — Apartment—Thorne & Brennan, 10 South La Salle St., 3 story, 100 x 150 ft., rein.-con., brick and steel, Kenmore and Glenlake Aves., to C. Chapman, 118 North La Salle St., $150,000. Noted Oct. 20.

Ill., Chicago—Church—Evangelical Lutheran Church, 1 and 2 story, 123 x 210 ft., rein.-con., brick, stone and steel, Glenwood and Elmdale Aves., to Ericesson & Crumlish, 123 West Madison St., $200,000. Noted Jan. 13.

Ill., Evanston—Church—First Baptist Church, 2 story, 50 x 100 ft., stone, Chicago Ave. and Raymond Park, to Moraw Building Co., 6407 South Park Ave., Chicago, $175,000. Noted Aug. 11.

Ill., Hinsdale—Service—Stuyvesant-Peabody Coal Co., 2 story, 120 x 208 ft., rein.-con. and brick, to Midland Eng. and Constr. Co., 332 South Michigan Ave., Chicago, $250,000.

Ill., La Grange—High School—Bd. Educ. 3 story, rein.-con., brick and stone to Great Lakes Constr. Co., 308 South Wabash Ave., Chicago, $150,000. Noted Oct. 27.

Ill., Paris — High School—Bd. Educ. 3 story, 65 x 110 ft., brick, steel and stone, to C. J. Newlin Normal, $150,000. Noted Nov. 10.

Wis., Milwaukee—Apartment—M. Tullgren & Sons, 425 East Water St., 6 story, 60 x 72 x 86 ft., brick and concrete, plain foundation 6 Prospect Ave., to S. M. Siesel, 105 Wells St. $150,000.

Wis., Milwaukee—School—Bd. Industrial Educ., 7th and Prairie Sts., 2nd unit on Prairie St. masonry to R. Reisinger & Co., 646 Oakland Ave., $118,589, cut stone to Andies Stone & Marble Co., Keefe and Richards Sts., $26,678. Noted Nov. 10.

Ia., Marshalltown—School—Bd. Educ. 3 story, 73 x 147 ft., rein.-con., brick and tile, to W. F. Kucharo, Hubbell Bldg., Des Moines, $160,000. Noted Nov. 3.

Kan., Lawrence—School—Bd. Educ. 3 story school, to A. H. Neumann & Co., 6th and Locust Sts., Des Moines, Ia., $495,000. Noted Nov. 3.

Mo., St. Louis—Exchange—Southwestern Bell Telephone Co., 314 North Bway., 2 story, 86 x 110 ft., rein.-con., brick and stone, 23rd and Locust Sts., to Murch Bros., Ry. Exch. Bldg., $150,000. Noted Nov. 17.

Que., Montreal—Hospital—St. Justine Hospital St. Denis St., 5 story, 56 x 140 ft. and 37 x 54 ft. rein.-con., brick and stone addition, St. Hubert St., to A. and D. Bolleau, 546 Fabre St., $203,000. Noted Aug. 18.

Federal Government Work

PROPOSED WORK

N. Y., South Brooklyn (Brooklyn P. O.)—Dredging—Spec. 4560—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging 35th St. pier and main basin, here.

D. C., Bellevue — Power Plant Equipment—Spec. 4497—Bureau Yards & Docks, Navy Dept., Wash., plans installing power plant equipment, here.

S. C., Charleston—Fire Protection System—Spec. 4558—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans form fire protection system, here.

S. C., Charleston—Piping—Spec. 4557—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans piping for air compressor, here.

Minn., Duluth—Quarters—Spec. 4549—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans quarters at radio station, here.

Federal Government Work (Continued)

Wash., Puget Sound—Addition—Spec. 4564—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans addition to shell house, here.

Wash., Puget Sound—Pier—Spec. 4556—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to rebuild and extend Pier 5, here.

Wash., Puget Sound—Seawall—Spec. 4562—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans seawall, here.

Cal., Mare Island—Addition—Spec. 4561—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans addition to shell house and magazine, here.

Cal., San Diego—Barracks, etc.—Spec. 4563—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 6 barracks and entrance gates, at Naval Training Station, here.

Cal., San Diego—Gas, Water, etc.—Spec. 4559—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans gas, water, sewerage and underground electric systems, here.

Cal., San Diego—Lighting System—Spec. 4526—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans street lighting system, here.

BIDS DESIRED

Ga., Savannah—Quarters—Spec. 4517—Dec. 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters at radio station, here.

Ind., Marion—Hospital—Dec. 15, by Natl. Home for Disabled Volunteer Soldiers, Dayton, O., 1 story, 95 x 315 ft., brick, steel and concrete, here. $250,000. Schenck & Williams, 908 Mutual Home Bldg., Dayton, O., archts.

Wis., Milwaukee—Hospital—Dec. 19, by C. D. Wadsworth, genl. treas. of Bd. Managers of Natl. Home, Dayton, O., 1 story, 90 x 100 ft. service building, 42 x 120 ft. administration and four 58 x 290 ft. ward buildings, brick and concrete, plain foundations, at Soldiers Home, here. $1,400,000. Scott & Mayer, 455 Milwaukee St. Milwaukee, archts., Schenk & Williams, 908 Mutual Home, Dayton, O., supervising archts.

BIDS RECEIVED

Mass., Rutland—Buildings and Equipment—Treas. Dept., Wash., D. C., extensions to administration building, construction semi-ambulant quarters, attendants quarters, laundry and garage, U. S. Pub. Health Serv. Hospital, here, from M. Sereto, 3 Tremont Row, Boston, $282,673, G. Burley, Flint, Mich., $294,000, H. P. Cummings Constr. Co., 14 Prospect St., Ware, $322,669; mechanical equipment for above, from G. E. Eng. Co., 449 West 42nd St., New York, $146,300, Ranson & Anderson, 136 Liberty St., New York, $153,880, C. J. Gleason, 1526 Walton Way, Augusta, Ga., $156,300. Noted Oct. 27.

O., Cincinnati—Lock Gates—U. S. Engineer, 2nd Dist., lock gates for Locks 30 and 32, Ohio River, (1) Lot A, (2) Lot B, (3) Lots A and B combined, (4) alternate Lot A, (5) Lot B, (6) Lots A and B combined, from Amer. Bridge Co., 1304 Union Trust Bldg., (1) and (2) $37,469 each, (3) $71,098, (4) and (5) $34,302 each, (6) $65,394; Penn Bridge Co., Beaver Falls, Pa., (1) $39,178, (2) $39,233, (3) $77,599, (6) $69,386; W. S. Rae, 439 Oliver Bldg., Pittsburgh, Pa., (1) and (2) $43,850 each, (3) $86,898, (4) and (5) $40,723 each, (6) $80,644. Noted Oct. 27.

Wash., Keyport—Tower—Spec. 4538—Bureau Yards & Docks, Navy Dept., Wash., D. C., 210 ft. radio tower, at Naval Radio Station, here, (1) work complete, from C. F. Marten, 4120 Dayton Ave., Seattle, (1) $5,713, (2) $0.10, (3) $390; J. A. McEachean, 552 Coleman Bldg., Seattle, (1) $7,431, (2) $0.10, (3) $500; Ward & Ward, Inc., 626 Perkins Bldg., Tacoma, (1) $7,800, (2) $0.20, (3) $0.035. Noted Nov. 3.

Wash., Walla Walla—Hospital—Treas. Dept., Wash., D. C., U. S. Pub. Health Serv. Hospital, complete, except mechanical equipment, from J. H. Wiese, 5103 Cass St., Omaha, Neb., $123,880; W. D. Lovell, 1415 8th St., Minneapolis, Minn., $165,900; King Lumber Co., Charlottesville, Va., $174,000. Noted Aug. 11.

Cal., Eureka—Tower—Spec. 4533—Bureau of Yards & Docks, Navy Dept., Wash., D. C., 300 ft. radio tower at Naval Radio Sta., here, (1) work complete, from Eureka Boiler Wks., foot of Tea St., (1) $6,890 (150 days), (2) $4,000, (3) $2,890, (3) $0.067, (4) $0.025; Pittsburg-Des Moines Steel Co., 959 Munsey Bldg., Wash., D. C., (1) $7,960 (150 days), (2) $5,180 (80 days), (3) $2,780 (70 days), (4) $0.143, (5) $375; Union Constr. Co., 807 Balfour Bldg., San Francisco, (1) $8,128, (2) $5,227. Noted Nov. 3.

CONTRACTS AWARDED

Cal., Mare Island—Remodeling Barracks—Spec. 4489—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling Barracks 53, Navy Yard Marine Reservation, here, to Schultz Constr. Co., 46 Kearney St., San Francisco, $14,433 (100 days). Noted Nov. 17.

Miscellaneous

PROPOSED WORK

Transmission Line—Lancaster, N. Y.—Depew & Lancaster Light, Power & Conduit Co., 173 Central Ave., had plans prepared 12 mi. transmission line. $25,000. A. R. Tremaine, 173 Central Ave., engr.

Piers—Weehawken, N. J.—Erie Ry., 50 Church St., New York, plans rebuilding 4 piers along Hudson River which were recently destroyed by fire. $1,500,000. R. C. Falconer, 50 Church St., New York, engr.

Electrical Equipment — Cleveland, O.—Plans furnishing wire and cable, $16,500; street standards, $15,500; lanterns and equipment, $15,000; street lamps and equipment, $15,000; transformers and regulators, $18,000; switchboard and station equipment, $15,500; poles, $5,000; auxiliary equipment, $8,000 labor, $20,000; incidentals, $1,500. C. G. Beckwith, City Hall, engr.

Gas Holder — Bloomington Ill. — Union Gas & Electric Co., 312 Main St., having plans prepared steel gas holder, 10,000 cu.ft. capacity. $30,000. R. E. Chew, supt.

Grain Elevator—Chester, Ill.—H. C. Cole Milling Co. plans concrete grain elevator, 300,000 bu. capacity. $200,000. Engineer not selected.

Grain Elevator—Columbia, Ill.—Farmers Co-operative Elevator Co., having plans prepared for rein.-con. and steel grain elevator, 40,000 bu. capacity. $40,000. J. C. Gumerscheimer, pres. Private plans.

Grain Elevator—Dwight, Ill.—Farmers Co-operative Elevator Co., plans rein.-con. grain elevator. $40,000. J. Schafer, mgr. Engineer not selected.

Road Machinery—Friendship, Wis.—Adams Co. appropriated $1,000 for road machinery. J. A. McGregor, comr.

Gravel Loaders and Crushers, etc.—Green Lake, Wis.—Green Lake Co. appropriated $18,000 for gravel loaders and crushers also equipping repair shop with machine tools.

Road Machinery—Jefferson, Wis.—Jefferson Co. appropriated $13,000 for new road machinery. R. D. Royce, Ft. Atkinson, comr.

Petroleum Machinery, etc.—Lancaster, Wis.—Grant Co., appropriated $13,500 for petroleum machinery and equipping repair shop with machine tools. H. Mink, comr.

Road Machinery—Medford, Wis.—Taylor Co. appropriated $15,000 for various kinds of road machinery. C. Kelnhofer, comr.

Graders and Wheelers, etc.—Montello, Wis.—Marquette Co. plans to purchase road machinery, incl. graders and wheelers. $1,500. H. Schmitz, comr.

Screening Plant, etc.—Neillsville, Wis.—Clark Co. appropriated $13,000 for screening plant, small crusher, scarifier and tractor. O. Weyhmiller, comr.

Road Machinery—Portage, Wis.—Columbia Co. appropriated $35,000 for road machinery. J. T. Henton, Court House, comr.

Road Machinery—Wausau, Wis.—Marathon Co. plans to purchase various kinds of road machinery for 1922. $4,000. J. H. Vogt, comr.

Road Machinery — Whitehall, Wis. — Trempealeau Co. appropriated $20,000 for large grader and tractor and other road machinery. E. F. Rotering, comr.

Grandstand—Cheyenne, Wyo.—Chamber Commerce plans steel grandstand. $50,000.

Transmission Line—Jamesport, Mo.—Voted $25,000 bonds for 17 mi. transmission line. Engineer not selected.

Park Improvement—Sedalia, Mo.—Making plans improving 25 acres of city park. $25,000. F. T. Leaming, city engr.

Electric Lighting and Power System—Kerwood, Ont.—Adelaide Twp. having surveys made for electric lighting and power distribution system. $38,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Arena—London, Ont.—J. E. Smallman, Elmwood Ave., plans concrete, iron and steel arena in suburbs. $60,000. Prices wanted on all materials.

Electric Lighting and Power System—London, Ont.—London Twp. having surveys made for electric lighting and power distribution system. $30,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Ice Arena—London, Ont.—Citizens Com. plans ice arena in Thames Park. $125,000. Address P. Pocock, c/o London Shoe Co., 326 Richmond St. Watt & Blackwell, Toronto Bank Bldg., archts. Noted May 26.

Electric Lighting and Power System—Muncey, Ont.—Caradoc Twp. having surveys made for electric lighting and power distribution system. $35,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Electric Lighting and Power System—Oxford Centre, Ont.—East Oxford Twp. having surveys made for electric lighting and power distribution system. $40,000. A. Mackenzie, 190 University Ave., Toronto, engr.

BIDS DESIRED

Sanitary Work—Binghamton, N. Y.—Dec. 21, by state Hospital Comn., Capitol, Albany, sanitary work-service lines, at Binghamton State Hospital, here. L. F. Pilcher, Capitol, Albany, state archt.; adv. this issue.

Highway and Roofing Materials, etc.—New York, N. Y.—Dec. 8, by Bd. Purch., Municipal Bldg., furnishing and delivering highway and roofing materials to Depts. of Parks-Brooklyn, Parks-Queens, Correction and Police Dept.; cement, broken stone and other building materials to Depts. of Correction, Parks-Manhattan, Parks-Brooklyn, Parks-Queens, Plant & Structures, Public Welfare, Water Supply, Gas & Electricity and Bellevue and Allied Hospitals; metals and castings to Depts. of Parks-Bronx, Parks-Brooklyn, Plant & Structures, Street Cleaning, Correction, Parks-Manhattan, Water Supply, Gas & Electricity, Docks and Police and Fire Depts. G. A. Whalen, comr. Plant & Structures, chn.

Signal Boxes—Cleveland, O.—Dec. 9, furnishing 300 police signal boxes, and flash light recall and signal system for Police Dept. $35,000. C. G. Beckwith, City Hall, engr.

BIDS RECEIVED

Dock—Jersey City, N. J.—Rebuilding part of Howell St. Dock, Hudson River, from Stillman-Delehanty-Ferris Co., 29 Exch. Pl., $33,125; H. Steers, 17 Battery Pl., New York, $34,500; Linde & Griffith, 4th Ave., Newark, $35,675.

Police and Fire Alarm System—North Bergen (Weehawken P. O.), N. J.—Police and fire alarm system, from Gamewell Fire Alarm Telephone Co., 70 East 45th St., New York, $129,600.

CONTRACTS AWARDED

Refined Asphalt—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, furnishing and delivering 140,000 gal. refined asphalt form to Municipal Asphalt Plant, 7th St. Basin, Gowanus Canal, to Barber Asphalt Paving Co., 233 Bway., New York, $12,320. Noted Oct. 27.

Wharf and Seawall—Tarpon Springs, Fla.—For 20 x 45 ft. concrete wharf, rebuilding concrete seawall, 6 ft. high, 18 in. base, 8 in. top, to J. B. McCrary Eng. Corp., 3rd Natl. Bank Bldg., Atlanta, Ga., $75,000.

Gas Pipe Line—Owensboro, Ky.—India Pipe Line Co., 200 mi. 12 in. gas pipe line, steel, to A. Bentley Co., 201-31 Belmont Ave., Toledo, O., $400,000, cost plus percentage basis.

Culvert — Cleveland, O. — Concrete culvert in Brookside Park, to Post Constr. Co., 10823 Fairchild Ave., $43,111. Noted Nov. 24.

Grade Separation—Dearborn, Mich.—For grade separation to carry Telegraph Rd. under Michigan Central R.R. tracks, to G. F. Bristol, 119 Winona Ave., Highland Park, $47,491. Noted Nov. 17.

Coal and Ash Handling Equipment—Milwaukee, Wis.—Sewerage Comn., coal handling equipment, to Chain Belt Co., 736 Park St., $32,700; ash handling, to Conveyors Corp. of Amer., 326 West Madison St., Chicago, $19,581. Noted Oct. 20.

Ornamental Lighting System—Oshkosh, Wis.—Ornamental lighting sytem to Monroe Electric Co., 159 North State St., Chicago, $40,526. Noted Nov. 17.

Wharf—Houston, Tex.—For concrete wharf on Houston ship channel, to T. Tellepsen, Prince Bldg., $189,140. Noted Oct. 20.